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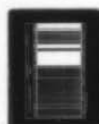
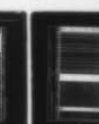
ARMY LOGISTICS CENTER FORT LEE VA  
AIR MOVEMENT PLANNING SYSTEM (AMPS). VOLUME III. SYSTEM/PROGRAM--ETC(U)  
NOV 78 J E FREEMAN, V G LANKFORD, R E SPAIN

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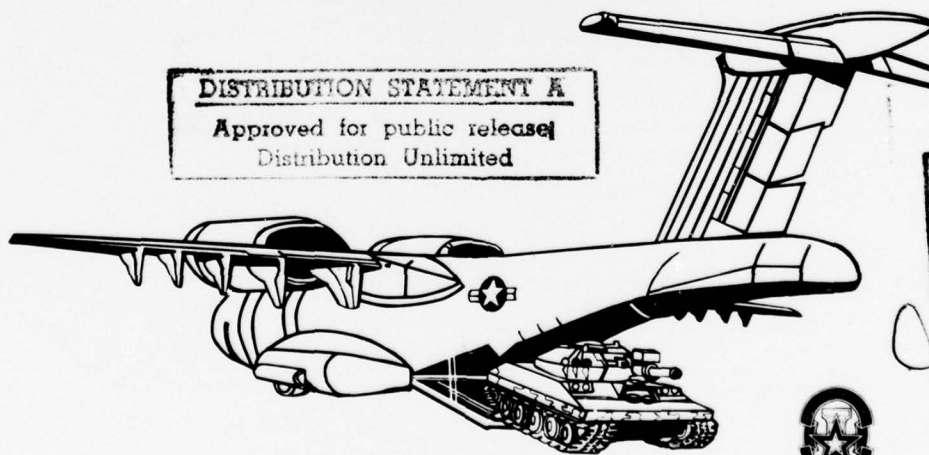


VOLUME III - SYSTEM/PROGRAMMERS GUIDE

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## FORWARD

This is the Draft System/Programmers Guide for the Air Movement Planning System (AMPS). The study report is published in three volumes; The Executive Summary, The Users Guide, and The System/Programmers Guide.

The work reported herein was accomplished by the US Army Logistics Center, Fort Lee, Virginia. Functional assistance was provided by the US Army Transportation School, Fort Eustis, Virginia.

Users of the volume are encouraged to recommend changes and submit comments for its improvement. Comments should be keyed to the specific page, paragraph, and line of the text in which the change is recommended. Reasons will be provided for each comment to insure understanding and complete evaluation. Comments should be prepared using DA Form 2028 (Recommended Changes to Publications) and forwarded directly to the Commander, US Army Logistics Center, ATTN: ATCL-OS, Fort Lee, Virginia 23801.

This paper does not purport to represent any official position of the Department of the Army.

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## TABLE OF CONTENTS

	<u>PARA</u>	<u>PAGE</u>
FORWARD -----		i
TABLE OF CONTENTS -----		iii
CHAPTER 1. INTRODUCTION		
Title -----	1-1	1-1
Scope -----	1-2	1-1
Terms Explained -----	1-3	1-1
Objectives -----	1-4	1-1
Programs -----	1-5	1-1
Basic Procedures for Running AMPS -----	1-6	1-2
CHAPTER 2. AIR MOVEMENT PLANNING SYSTEM-VALIDATE		
General Description of the Model -----	2-1	2-1
Input -----	2-2	2-1
Output -----	2-3	2-1
Options -----	2-4	2-1
Narrative Description by Paragraph Name ---	2-5	2-9
AMPS-VAL Glossary -----	2-6	2-31
CHAPTER 3. AIR MOVEMENT PLANNING SYSTEM-LOAD		
General Description of the Model -----	3-1	3-1
Input -----	3-2	3-1
Output -----	3-3	3-1
Narrative Description by Paragraph Name ---	3-4	3-3
AMPS LOAD Glossary -----	3-5	3-19
CHAPTER 4. AIR MOVEMENT PLANNING SYSTEM- HELICOPTER STANDARD LOAD PROGRAM		
Purpose -----	4-1	4-1
Input Data Description -----	4-2	4-1
Internal Files -----	4-3	4-1
Program Output -----	4-4	4-1
Narrative Description -----	4-5	4-1
Helicopter Glossary -----	4-6	4-3



	<u>PARA</u>	<u>PAGE</u>
APPENDIX A. MACRO FLOWCHARTS		
System Overview Flowchart -----		A-1.1
AMPS Validate Flowchart -----		A-2.1
AMPS Load Flowchart -----		A-3.1
AMPS Helicopter Program Flowchart -----		A-4.1
APPENDIX B. INSTRUCTIONS FOR PLACING AMPS ON A CDC 6000 SERIES COMPUTER -----		
		B-1
APPENDIX C. AMPS LOGIC LIMITATIONS AND CONSTRAINTS ---		
		C-1
APPENDIX D. SOURCE PROGRAM LISTINGS -----		
		D-1
APPENDIX E. SAMPLE RUN -----		
		E-1

#### LIST OF FIGURES

<u>FIGURE</u>	<u>TITLE</u>	<u>PAGE</u>
2-1	Control Data Input Format -----	2-3
	(Summary Instructions for Figure 2-1) ----	2-4
2-2	Aircraft Data Input Format -----	2-5
2-3	Cargo Data Input Format -----	2-6
2-4	Passenger Data Input Format -----	2-7

AIR MOVEMENT PLANNING SYSTEM  
SYSTEM/PROGRAMMERS GUIDE

CHAPTER 1

INTRODUCTION

1-1. TITLE. Air Movement Planning System (AMPS).

1-2. SCOPE.

a. The Air Movement Planning System is a computerized method of quickly and effectively planning cargo loads for C-130, C-141, and C-5 aircraft. It is primarily intended for use in Army unit moves, but its inherent flexibility makes it adaptable for movement of most types of cargo under various conditions.

b. The inherent model flexibility provides options that give AMPS a collateral capability in staff and major command planning of movements incident to contingency operations, in support of the strategic and tactical planning at all levels. *This report presents*

1-3. TERMS EXPLAINED. Unique terms used are defined in this document.

1-4. OBJECTIVES.

a. Provide to Army units with an air movement mission an automated method of preparing effective load plans for USAF aircraft that will provide a timely response within the dynamic environment of joint air-lift operations. The system must be fast, accurate, make efficient use of aircraft, incorporate commander's priorities, maintain unit integrity, link trailers and/or crews with their respective vehicles and link units with specific aircraft.

b. Present a standard format outlining the results of requirements computations. This is intended to facilitate and expedite Army-Air Force coordination in planning and executing joint air movements.

1-5. PROGRAMS.

a. AMPS-VAL. The Input Validation Program (AMPS-VAL) edits input data, provides listings of diagnostics and of the validated master file, and builds a master file for use by AMPS-LOAD. AMPS-VAL may be used alone, and it must precede AMPS-LOAD.



b. AMPS-LOAD. The Load Planning and Manifesting Program (AMPS-LOAD), using the master file of cargo and aircraft data prepared by AMPS-VAL, plans aircraft loads and provides printouts of the detailed load diagram, cargo manifest, and passenger manifest for each load.

c. HELI-MAINT. The Helicopter Standard Load File Maintenance Program (HELI-MAINT) is a utility program used to update the Helicopter Standard Load File (HELI-FILE) which is used by AMPS-LOAD to control the loading of Army rotary-winged aircraft into USAF transport aircraft.

#### 1-6. BASIC PROCEDURES FOR RUNNING AMPS.

a. The Helicopter Standard Load File Maintenance Program (HELI-MAINT) should be run only when the AMPS system is initially installed on a computer system, or when the standard helicopter load plans need to be changed.

b. AMPS may be used in two basic ways:

(1) When the cargo, personnel, and aircraft to be utilized are known, AMPS will create the loads for aircraft assigned to the units. This type of run may point out potential errors in unit and aircraft assignments. It will load aircraft to the maximum extent possible, but on the first couple of tries the loads may not be acceptable. Some assigned aircraft may be loaded with nothing but passengers, one aircraft may be fully loaded and the next be almost empty, or one or more aircraft may not be used at all. It is possible that better loads may be achieved by using variations of aircraft unit assignments. The result of these runs may be a suggested modification of the aircraft assigned to units or a modification to the suggested flow of aircraft.

(2) When the cargo requirements for a move are known and aircraft have not been assigned, the generate option may be utilized to enable the user to get an idea of what aircraft he will need to transport the assigned cargo. Utilization of this option will facilitate the determination of the number and types of aircraft needed to achieve the unit movement. Experience with the AMPS model will greatly reduce the time needed to plan valid unit movements.

c. Detailed descriptions of the input necessary to operate the model may be found in Air Movement Planning System (AMPS) Volume II, Users Guide, Chapter 2.

## CHAPTER 2

### AIR MOVEMENT PLANNING SYSTEM - VALIDATE (AMPS - VAL)

2-1. GENERAL DESCRIPTION OF THE MODEL. AMPS-VAL edits input data, provides listings of diagnostics and of the validated master file, and builds a master file for use by AMPS-LOAD. AMPS-VAL may be used alone, and it must precede AMPS-LOAD.

2-2. INPUT. AMPS-VAL, used either alone or in conjunction with AMPS-LOAD, requires input data describing: (a) the personnel and cargo of the transported unit and (b) the aircraft, actual or simulated, available for transport. Any options selected by the user, or other control data input, should accompany the unit and aircraft data. Input data work sheets are shown in figures 2-1 through 2-4. Volume II, Chapter 2 provides detailed instructions for preparation of input data for AMPS-VAL.

2-3. OUTPUT. AMPS-VAL output includes a printout of the errors detected by the system and either a printout or card deck, or both, of the validated master file. This output is provided whether AMPS-VAL is processed alone or in conjunction with AMPS-LOAD. Volume II, Chapter 4, Section I provides guidance on analysis and use of AMPS-VAL products. Sample output is contained in Volume III, Appendix D.

2-4. OPTIONS. AMPS-VAL/AMPS-LOAD in combination provide a variety of options designed to enable the user to obtain products engineered to the specifics of each study or operation. All options are controlled by user input.

a. Users can control system output by one of five options.

(1) With no optional input, AMPS prints a listing of the master file and one copy of each diagram and manifest, using 55 lines per page.

(2) With optional input, the user can obtain a card deck of the master file, increase the number of copies up to nine, change the lines per page to any number from 40 to 60, or can suppress the printing of the master file or load diagrams.

b. Seven other options enable users to control processing routines. They are described fully in Volume II, Chapter 2, Section II.





## SUMMARY INSTRUCTIONS

### PART A - OPTIONS

This card is used to specify AMPS options. An entry in the corresponding column will cause the option described in the heading to be effective. A blank will cause the default option (opposite of heading) to be effective.

<u>Column</u>	<u>Action</u>
2	Enter X to suppress printing of edited input.
5	Enter X to obtain deck of edited input cards.
8	Enter X to suppress load balancing and printing of load diagram.
11	Enter X to disregard mating of equipment items.
14	Enter X to cause telescoping of mated equipment items (i.e., trailer hitches under trucks).
17	Enter X to disregard unit priorities.
20	Enter X to maintain unit integrity.
23	Enter X to cause generation of aircraft data.
26	Enter number of repeat printings required for each load plan/manifest. (Does not refer to carbon copies).
29-30	Enter number of print lines per page. (Default is 55).

### PART B - TITLE

This card is used to specify title of AMPS run.

### PART C - UNIT/SEQUENCE COMBINATIONS

This card(s) is used to define the unit delivery priorities (sequence). Individual units may be combined with others to define one loading unit.

### PART D - AIRCRAFT PARAMETERS

These cards are used to define:

- (1) The aircraft mix ratio when the generate option is desired.
- (2) Changes to default values of aircraft parameters.

[illegible]

AIR MOVEMENT PLANNING SYSTEM															FORM AUP-3 (1151)																						
SEE CHAPTER 2, USER MANUAL, FOR PREPARATION INSTRUCTIONS.															CARGO DATA																						
UIC/ILN		LEAVE BLANK	DESCRIPTION										LEAVE BLANK	TKR 5-LAP	TKR CODE	LTH	WTH	HCT	WEIGHT	C/G	PRI	LOP LINK	QTY	S C P D	LEAVE BLANK												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29									
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28																																					
29																																					
JOB NO		DATE										PUNCHED BY										VERIFIED BY										SHEET		OF		NO OF CDS	

Fig 2-3. Cargo Data Input Format.

[illegible]



2-5. NARRATIVE DESCRIPTION BY PARAGRAPH NAME.

a. HS-KPG SECTION

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

1. HOUSE-KEEPING

Several intrinsic counters and an array required for storage of certain numerical data are set to zero.

2. DATE-SET

The current date and time of day are obtained from the computer and moved to an edited area for printing on output page headings.

3. DATE-SET-EXIT

Exit.

4. HOUSE-RIGHT-ON

"PRE DIAGNOSTICS" is printed as a heading on the first page of printed output from AMPS-VAL.

Appropriate files are opened/closed as required by the program logic.

The program is directed through four (4) sorts and associated input/output procedures.

(a) The input procedure R-AND-EXP is performed. Then the input data cards are sorted by card type, by aircraft model (type-4 input only), by UID (type-6 input only), by sequence number within card type, and by a low or high value key (type-5 input only).

(b) The input procedure READ-AND-VALIDATE is performed. Type-6 input cards (cargo and passenger data) are sorted on ascending order of UID priority number and bumper (or administrative) number within UID, and on

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

descending order of the indexing value into an array of codes identifying type of cargo (i.e., pallet, prime mover, etc.). The output procedure BUILD-TEMP-FILE is performed.

(c) Type-5 input cards (aircraft data) are sorted by ascending UID priority number, by descending codes of aircraft model (normal sort order is C-5, C-141, C-130), and by ascending sequence number of each type-5 card as input. The output procedure BLD-AIR is performed.

(d) Type-6 input cards (cargo and passenger data) are sorted by ascending UID and item priority number, ascending bumper (or administrative) number, and descending order of the indexing value into the array of codes identifying types of cargo. The output procedure BUILD-MASTER-FILE is performed.

A final record with key=99999999 is written to the MASTER-FILE for reference by AMPS-LOAD, and the program then goes to CLOSE-SHOP.

b. R-AND-EXP SECTION

1. OPN-FILE

The input file is opened.

2. GO-GO

The file of input cards is read with a continual count made of the number of records in the file. If the cards have not been numbered by the user, they are numbered sequentially by AMPS-VAL. Six card types will be accepted as input to AMPS-VAL.

(a) Type-1 is the Option card. If the user selects the option to maintain unit integrity, a flag is set. A counter is set and the program branches to RELEASE-TO-SORT.

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

(b) Type-2 is the User's Title card. A counter is set and the program branches to RELEASE-TO-SORT.

(c) Type-3 is a Unit Sequence/Combination card. An integrity flag is set. Data in columns 1-7 is stored in an array and spaces are moved to that area. This prevents the occurrence of an undesired sort on these columns. A counter is set and the program branches to RELEASE-TO-SORT.

(d) Type-4 is an Aircraft Parameters card. A counter is set and the program branches to RELEASE-TO-SORT.

(e) Type-5 is an Aircraft Data card. If the aircraft described is assigned to a unit, a flag is set. The type code "5" is temporarily replaced by "9", and the program branches to CK-FOR-MULT-AIR.

(f) Type-6 is a Cargo or Passenger Data card. The program does to CK-FOR-MULT-6.

If any other card type is encountered, the message "INVALID CD-TYPE", the card's contents, and the statement "REJECTED" are displayed on the output of "PRE DIAGNOSTICS". A counter of cards so rejected is incremented.

At the end of the file, the program goes to EOF-CDS.

3. CK-FOR-MULT-AIR

The data in columns 1-7 of an aircraft data card are stored in an unused area of the record, and spaces are

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

- moved to columns 1-7. This prevents the occurrence of an undesired sort. If the card describes 2 or more aircraft, that number is moved to a counter. Otherwise, the counter is set to 1. Go to RELEASE-TO-SORT.
4. CK-FOR-MULT-6
- Each type-6 card is checked to determine if it describes 2 or more identical items (Qty: columns 72-74). If so, that number is placed in a counter which will be used by another procedure to create as many records as there are identical items described. The data is checked to insure that the user, if linking the cargo item, has not erroneously identified it as more than 1 item. If he has, an error message, the card's contents, and a request for the user to generate a corrected card are displayed.
5. RELEASE-TO-SORT
- A record is built from the input card data, the input sequence number of that card, and a "key" containing a high or low value. If the input card contains aircraft data and that plane is assigned to a unit, the "key" will contain low-value. Otherwise, it will have high-value. If an input card describes two (2) or more identical items, a separate record is created for each item so described. The record is then released.
6. EOF-CDS
- Exit.
- c. READ-AND-VALIDATE SECTION
1. READ-AND-VALIDATE-SECTION
- Two files are opened and an 88-level condition code is set.



PARAGRAPH NAME

PARAGRAPH DESCRIPTION

- |                   |   |
|-------------------|---|
| 2. READ-DATA-CD   | The file of records created by the first sort is read. "5" replaces "9" as card type in aircraft data records. The data from columns 1-7 of type-3 and type-5 cards which had been stored elsewhere (so as to not be considered in a sort) will be reinserted into columns 1-7. This procedure then uses an 88-level condition code to direct the processing of the first data card by branching to PROCESS-TYPE-1. |
| 3. CONT-OTHERS    | 88-level condition codes direct the processing of data based upon input card type. Only one (1) type-1 card will be processed. If an attempt is made to process an additional type-1 card, the program will display an appropriate message and the contents of the card triggering the message, but will not process the card.  |
| 4. PROCESS-TYPE-1 | If there is a type-1 card, go to CONT-CD1. Otherwise, the program assumes all default values for available options.   |
| 5. CONT-CD1       | The processing of a type-1 card sets input option flags to flag options selected by the user.   |
| 6. PROCESS-TYPE-2 | A page heading and the user's program title are printed as output. The program returns to READ-DATA-CD.   |
| 7. PROCESS-TYPE-3 | If no type-2 input card is processed, "NO TITLE CARD" will appear as a sub-heading on each page of output. An 88-level condition code directs the program to CONT-CD3.  |
| 8. CONT-CD3       | An 88-level condition code is set.<br><br>Housekeeping tasks are performed.   |

<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
9. SET-PRIORITY-1	This paragraph examines up to 75 columns of a record for UIDs and moves each UID (which may contain a maximum of 7 characters) to a temporary area. If UID data is not in accordance with input specifications, an appropriate message is displayed.
10. SET-PRIORITY-2	The UID is moved to a temporary area for comparison, and a counter used in assigning a priority number to each UID is incremented.
11. SET-PRIORITY-3	The correct value for a counter used for indexing into the priority file of UIDs is established.
12. SET-PRIORITY-4	A priority file (UID-PF) of UIDs is built with an associated priority number (POINTER) for each UID. The final field of the file record indicates whether or not this UID is to be combined with another at the same priority level.
13. PROCESS-TYPE-4	The value of an index variable is determined by aircraft type (MODEL) in a type-4 "Aircraft Parameters" card.
14. STOP-THE-P-5-PERFORM	A new default passenger weight, if specified by the user in a type-4 card, will be stored by the program for future utilization.
15. MODEL-SET	If a valid aircraft-type is encountered, go to CONT-TYPE-4. Otherwise, continue to INVALID-MODEL.
16. INVALID-MODEL	If an invalid MODEL is encountered on a type-4 card, an error message and the contents of the card are displayed. The program returns to READ-DATA-CD.

<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
17. CONT-TYPE-4	<p>The standard AMPS parameters for the designated aircraft models/types can be changed by the programmer/analyst. This is accomplished by using the following columns of type-4 input cards for the new default limits of a cargo item:</p> <ul style="list-style-type: none"> <li>(a) Length: columns 26-28.</li> <li>(b) Width: columns 29-31.</li> <li>(c) Height: columns 32-34.</li> <li>(d) Weight: columns 35-40.</li> </ul> <p>CAUTION: The user should NOT change these parameters.</p>
18. CONT-TYPE-4-PAS	<p>This paragraph examines type-4 input, storing into an array (indexed by codes for aircraft types) any of the following parameters specified by the user:</p> <ul style="list-style-type: none"> <li>(a) Ratio mix of C-130 to C-141 aircraft (col. 7-9).</li> <li>(b) Allowable Cargo Load (col. 10-15).</li> <li>(c) Planning Center of Gravity (col. 16-19).</li> <li>(d) Maximum Number of Passengers: <ul style="list-style-type: none"> <li>1. All-passenger loads (col. 20-22).</li> <li>2. Passenger/equipment loads (col. 23-25).</li> </ul> </li> <li>(e) Maximum Weight of One Passenger (Col. 41-43).</li> </ul>



PARAGRAPH NAME

PARAGRAPH DESCRIPTION

19. PROCESS-TYPE-5

A page heading and "AIRCRAFT DIAGNOSTICS" are printed at top of page. MODEL is examined to insure that user has described a valid aircraft type. This paragraph then sets a counter used for indexing according to aircraft MODEL being described. If aircraft MODEL is invalid, MODEL is moved to the diagnostic area and flagged.

This paragraph then examines fields containing data on Allowable Cargo Load (ACL5), Number of Passengers on all passenger loads (PAXA), Number of Passengers with Equipment (PAXAW), First Loadable Station (FLS), and Last Loadable Station (LLS), replacing leading spaces with zeros. It then verifies that those fields are numeric. If not numeric, AMPS-VAL moves contents of those non-numeric fields to an area for printing diagnostics, moves zeros to those non-numeric fields, and sets a flag for a diagnostic printout. If ACL5 equals zeros at this point, ACL-HOLD (ACL if specified for that type aircraft by user in type-4 input card, otherwise, AMPS standard parameter) is moved to ACL5. If some aircraft have been assigned to units and this aircraft has not (TN = spaces), a reject flag is set, "Xs" are moved to a diagnostic field corresponding to the input field TN and a diagnostic flag is set.

If a reject flag has been set, the paragraph directs the program to ACFT-DIAG-OUTPUT. Otherwise, three counters pertaining to the number of aircraft available are each increased

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

20. SET-AC-PRI

by 1. Low value is moved to the generate flag, and an aircraft record (AIRCRAFT-REC) is built.

If the aircraft described is not a C-141, zero is moved to COMF-PAL. If COMF-PAL  $\neq \emptyset$ , 1 is moved to COMF-PAL.

If the aircraft has not been assigned to a specific unit, priority number (NPRI) is established as 99, and the program proceeds to SET-AC-TYPE. Otherwise, 1 is moved to NPRI and the integrity option is flagged.

If the unit (AC-NO) to which this aircraft is assigned is not equal to the unit (UID) of the same priority (UID-PR(NPRI)), go to INC-AC-PRI.

If the unit to which this aircraft is assigned is not combined in the priority file with other units, go to SET-AC-TYPE. Otherwise, move the priority number (NPRI) to a temporary storage area (NTEMP).

21. SET-AC-COMB

This paragraph examines unit identifications which the user has identified as combined units (on type-3 input cards), and assigns to the aircraft a priority number equal to the largest priority number of any of those units in the combination (e.g., if three units are designated as combined and have priority numbers of 4, 5, and 6, all aircraft assigned to any of those units will have a priority number of 6).

<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
22. INC-AC-PRI	This paragraph increases the aircraft priority number when aircraft and priority file UIDs have not matched. If the priority number is not greater than the number of UIDs in the priority file, the program returns to SET-AC-PRI. Otherwise, this aircraft has not been assigned to any unit in the priority file. So its priority number is set to 0 so that it will not be assigned to a unit by mistake.
23. SET-AC-TYPE	<p>The priority number (NPRI) is moved to a field (AC-PRI) in the aircraft record being built. The aircraft type (AC-MOD) is examined, with a code letter corresponding to that aircraft type moved to the code field (AC-CODE) of the record being built. This code sorts C-5s, followed by C-141s and then C-130s. If the aircraft priority switch (AC-PRI-SW) had been set (col. 33 of type-1 input card <math>\neq</math> 0), the codes will be changed so that C-130s will be sorted before C-141s.</p> <p>The aircraft record (AIRCRAFT-REC) is then written and placed into AIRCRAFT-FILE, and a counter (AIR-CTR) is increased by 1.</p>
24. ACFT-DIAG-OUTPUT	<p>If the reject flag had been set, the word "REJECT" is moved to an area for printing alongside the contents of an aircraft data card that is being rejected by AMPS-VAL.</p> <p>If the reject flag = 0 and the diagnostic flag is blank, the next card will be read. Otherwise, this paragraph will cause the printing of</p>

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

25. PROCESS-TYPE-6

two lines of aircraft diagnostics. The first line will contain the sequence number of the input data record and the contents of fields containing invalid data as determined by the program. The second line will contain the number of aircraft previously described and accepted (NO-AC), and the contents of the input data card as modified by PROCESS-TYPE-5. If the reject flag had been set, the word "REJECT" will follow. Otherwise, the input data will be accepted as modified. Then another data card will be read.

This paragraph sets an 88-level condition code, prints a page heading and the sub-heading "DIAGNOSTICS OF INPUT". Then it checks to see if UIDs have a priority sequence, and if unit integrity is to be maintained. If so, the UID is preserved for comparison and flagged. If the data describes a passenger (col. 43-44 = PX), the program branches to PROCESS-PASSENGERS. Otherwise, the DIMENSION-AREA is examined. If non-numeric, data is moved to corresponding fields of a diagnostics area for display and flagged. If a dimension value exceeds AMPS standard parameters, that value is moved to the diagnostics area and flagged. Then the program right justifies that value 1 position. If the center of gravity = 0 or is greater than the length of the described item, AMPS-VAL computes a center of gravity equal to one-half the item's length. If any dimension equals zero, the diagnostics flag is set.



<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
26. DENSIT	<p>The density of the cargo item is computed. If it exceeds 500 lbs/linear inch, it is assumed that the weight of the item was not right justified. AMPS-VAL right justifies the weight and flags it. If the user has not assigned a numeric priority number to the item, 999 is temporarily assigned.</p> <p>If the cargo code (col. 43-44) does not describe a pallet (PA), the program proceeds to EQUIP-VALD-EXIT. When a "PA" code is encountered, this paragraph verifies that the length and width of the item are those of a pallet. If not, the "PA" code is moved to the diagnostics area and flagged, and the "PA" code is changed to "BU" (bulk-unit).</p>
27. EQUIP-VALD-EXIT	<p>If any of the dimensions of a cargo item = 0, asterisks are moved to the corresponding DIAGNOSTIC-AREA and a reject flag is set.</p>
28. DECIPHER-CODE-1	<p>This paragraph increases the value of a counter used for indexing into an array. If the counter is less than 16, the program goes to DECIPHER-CODE-2. Otherwise, the user has not designated a valid cargo code (col. 43-44 of a type-6 input card). The invalid code is moved to a diagnostic area and a diagnostic flag and reject flag are set. Then the program proceeds to DECIPHER-CODE-3.</p>
29. DECIPHER-CODE-2	<p>The cargo code designated by the user for this item of cargo is compared with a valid code in an array. If they match, the program continues to DECIPHER-CODE-3. Otherwise, it returns to DECIPHER-CODE-1.</p>

<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
30. DECIPHER-CODE-3	The index number needed to match an arrayed cargo code with this item's cargo code is saved. If the user has attempted to telescope cargo which can't be telescoped, the contents of the trailer-overlap field (TRL-OLAP) are moved to a diagnostic area and a flag is set.
31. RESET-PRIORITY-1	Six conditional statements direct the program in order to assign priority numbers to the unit and item described. If no type-3 input card was used, the program branches to CONT-RESET-PRITY-2. If a type-3 input card was used, this paragraph compares the UID with those in the UID priority file (built from type-3 cards). If a match is found, the program branches to RESET-PRIORITY-3. If no match is found (the user did not list this UID on a type-3 card), the program proceeds to RESET-PRIORITY-2.
32. RESET-PRIORITY-2	Causes the printing of a page heading.
33. CONT-RESET-PRITY-2	This paragraph posts the UID of a new priority into the UID priority file, flags it as a new unit, and increases the number of priorities (which is the number of unique UIDs).
34. RESET-PRIORITY-3	This paragraph establishes the temporary vehicle registration number (VRN = UID priority number followed by bumper number) and the input sequence number. If item priorities are to be considered, it moves the priority in the data card to the SORT-REC. Otherwise, it puts 999 into the priority field in the SORT-REC.

<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
35. MOVE-CARD-SORT	The data in a type-6 input card is used to build a record (SORT-REC). If the record describes a passenger (S-XCODE = 2), the program branches to DIAGNOSTIC-OUTPUT. Otherwise, it continues to the next paragraph.
36. CODE-SIZE	<p>If the reject flag was set, the program branches to DIAG-OUTPUT-1.</p> <p>If the item described is a helicopter (S-XCODE greater than 10), the program goes to HELI-CODE-SIZE.</p> <p>If the item described has a dimension which exceeds the maximum size that a C-5 can transport, the item is too large to be air-transportable, and the program is directed to DIAGNOSTIC-OUTPUT. Otherwise, this paragraph determines the smallest type aircraft that can transport an item of this length. Then the program goes to CODE-SIZE-1.</p>
37. HELI-CODE-SIZE	This paragraph determines the smallest aircraft type that can transport a helicopter of this length.
38. CODE-SIZE-1	This paragraph determines the smallest aircraft type that can transport an air-transportable item. The program totals the weight of all items requiring a C-5, and counts the number of those items. It also counts the number of other cargo items to be loaded.
39. DIAGNOSTIC-OUTPUT	If a diagnostic flag = "\$\$" the program goes to DIAG-OUTPUT-1. If that flag = "SS" the program goes to DIAG-OUTPUT-2. Otherwise, the program branches to CK-FOR-SORT.



<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
40. DIAG-OUTPUT-1	If the reject flag is set, "REJECT" is moved to an area for printout to the right of the contents of the data card being rejected.
41. DIAG-OUTPUT-2	This paragraph prints diagnostics of cargo data. Then it moves the contents of the type-6 data card which triggered those diagnostics to an area for printing, and prints that data as the second line of the "DIAGNOSTICS OF INPUT". If the end of a page is reached, the program performs PAGE-HEADING thru PAGE-HEADING-EXIT. If the reject flag is set, the "rejected cards" counter is incremented by 1, the print area containing "REJECT" is blanked, and another data card is read. Otherwise, the program continues to CK-FOR-SORT.
42. CK-FOR-SORT	Releases the record to a SORT, and returns to READ-DATA-CD.
43. PROCESS-PASSENGERS	<p>The social security account number of the passenger is examined. If it is not numeric, that data will be moved to a diagnostic area, the diagnostics flag will be set, and the SSAN will be zeroed.</p> <p>If the user does not specify the passenger's weight, AMPS standard parameter will be assumed. If the passenger's weight is specified and is greater than any previously specified passenger weight, the value is stored.</p> <p>The passenger's priority number, if not user specified, is set at 999. Then the program branches to DECIPHER-CODE-1 in order to establish the unit priority number.</p>

<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
44. PAGE-HEADING	This procedure prints a heading and user's title at the top of a page of output.
45. PAGE-HEADING-EXIT	Exit.
46. READ-AND-VALIDATE-EXIT	Exit.
d. <u>BUILD-TEMP-FILE SECTION</u>	
1. BUILD-TEMP-FILE-SECTION	Housekeeping procedure.
2. RTN-RECS	Returns the SORT-FILE. At the end of the file the program goes to BUILD-TEMP-EXIT. This paragraph checks for equipment linkages and insures that all items so linked are given the same item priority number.
3. BUILD-TEMP-FLE-3	If priorities of items within units are to be maintained, a new priority is computed as unit priority number times 1000 plus item priority number. Then a record (TEMP-RECORD) of TEMP-FILE is written. The program goes to RTN-RECS.
4. BUILD-TEMP-EXIT	Exit.
e. <u>BUILD-MASTER-FILE SECTION</u>	
1. BUILD-MASTER-FILE-SECTION	This procedure opens output files.  If the user has selected the option "No Listing", the program is directed to paragraph BLD-M1. Otherwise, a page heading and user's title are printed, followed by the sub-heading "PRIORITY DATA" and appropriate column headings. An area for listing records is cleared of extraneous data.

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

2. PRNT-0

A counter used for indexing is set to zero.

3. PRNT-1

This paragraph prints the following "Priority Data" for each UID encountered in input:

(a) UID in order of priority.

(b) Total weight of outsized cargo items in this UID.

(c) Priority number of the UID.

(d) UID with which this one is combined, if any.

Then the program goes to PRNT-2.

4. PRNT-2

This procedure produces the next page of printout, with the sub-heading "OPTIONS IN EFFECT", and appropriate column headings. An "X" will be printed under each of the first eight options which are in effect. Option nine contains the number of copies which are to be printed. Option ten contains the number of print lines per page of output.

Another page heading is then printed with the sub-heading "AIRCRAFT DATA".

5. PRNT-3

The AIRCRAFT-FILE will be read, with the program proceeding to PRNT-3-AC at the end of the file.

This paragraph lists, under "AIRCRAFT DATA", the records contained in AIRCRAFT-FILE. These records have been sorted and written in the file INDX-AIR. The records in that

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

- file were listed under "AIRCRAFT DIAGNOSTICS", and would probably be of more usefulness to the user.
6. PRNT-3-AC
- If the user selected the option to have AMPS-VAL generate aircraft, the sub-heading "AIRCRAFT WILL BE GENERATED" is printed. Otherwise the program proceeds to PRNT-4.
7. PRNT-4
- This procedure prints headings, sub-headings, and column headings for printout of "PARAMETERS IN EFFECT". Then, in conjunction with paragraphs PRNT-5 through PRNT-6, it lists the parameter limits in effect for cargo for each type aircraft, and for cargo which can be designated as fill.
- The default passenger weight is displayed. If that weight is greater than AMPS-VAL standard default weight (240 lbs), an appropriate notification to the user is printed.
- Additionally, the number of print lines per schematic is listed.
- If aircraft are not to be generated, go to PRNT-7. Otherwise the program continues to PP1.
8. PP1
- This paragraph prints statements specifying the number of passengers permitted on all passenger loads on C-130 and/or C-141 aircraft when that type aircraft is to be generated.
9. PP2
- This paragraph prints statements specifying the number of passengers which can be loaded with equipment on C-130 and/or C-141 aircraft when that type aircraft is to be generated.



<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
10. PRNT-5	This paragraph moves size limits to an area for listing the maximum size cargo item that can be loaded aboard a specific type aircraft. Additionally, the allowable cargo load, planning center of gravity, and aircraft mix (if aircraft are to be generated) for this aircraft type are moved to this listing area.
11. PRNT-6	The data moved by the preceeding paragraph is printed.
12. PRNT-7	If C-130 aircraft will be loaded before C-141 aircraft, that message will be printed. Otherwise, the program continues.
13. PRNT-7-A	This paragraph prints a page heading, sub-headings, and column headings in preparation for listing "CARGO DATA."
14. BLD-M1	The record previously read from the SORT-FILE is moved to an area for comparison with the next record (refer to paragraph N-AC-C). The SORT-FILE is returned. And a counter is incremented by 1 for each record in the file. At the end of the file, the program goes to BLD-IST-EXIT.
15. BLD-M2	<p>The input sequence number of the cargo item and the priority number of that item are established.</p> <p>The data describing the item is moved to an area for listing on the printout of "CARGO DATA."</p>

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

- If the cargo is not a passenger, the printout will list the smallest size aircraft model (C-130, C-141, C-5) needed to transport the item. If the item is within certain size dimensions, however, it will be listed as "fill" instead.
- If the item described is a passenger, his loading status is designated as "required" if he is assigned by an equipment link to a cargo item. Otherwise, his status is "available".
16. N-AC-C
- Consecutive cargo data records are compared to prevent the printing of descriptions of identical cargo items. (These identical cargo items occur when one type-6 input card describes two (2) or more items.) Each unique description is printed as "CARGO DATA".
17. BLD-M3
- If the record is that of a passenger designated as "available", that record is written to the AVAIL-PASS-FILE. Otherwise, it is written to the MASTER-FILE. If an invalid key is encountered, the program goes to INV-K-MFB. Otherwise, the program returns to BLD-M1.
18. INV-K-MFB
- This paragraph displays an error message if an invalid key occurs. No additional records will be written to either the MASTER-FILE or the AVAIL-PASS-FILE.
19. BLD-MST-EXIT
- Exit.

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

f. BLD-AIR SECTION

1. BLD-AIR-SECTION

The sorted aircraft data records (AIRCRAFT-REC) are used to build an indexed file of aircraft which are available for loading (INDX-AIR). Each record in the indexed file is printed under "AIRCRAFT DIAGNOSTICS", preceded by the statement "AIRCRAFT TO LOAD".

A count of the number of aircraft records in the file is maintained.

2. BLD-AIR-EXIT

The area used in establishing a loading priority number for each aircraft is set to zero, and the program returns to the main-line program.

g. CLOSE-SHOP-SECTION SECTION

1. CLOSE-SHOP

This paragraph prints the final page of output from AMPS-VAL. Then it builds a file (PARM-FILE) of parameters which are in effect for this run. This file will be utilized by AMPS-LOAD.

2. LOAD-FILE

The parameters listed in AMPS-VAL output "PARAMETERS IN EFFECT" are placed in the file, PARM-FILE, for reference by AMPS-LOAD.

3. CONT-1

The data in PRIORITY-FILE (UID, associated priority number, etc.) is placed in PARM-FILE for reference by AMPS-LOAD.

4. LOAD-FILE-EXIT

The AMPS-VAL program terminates.

## 2-6. AMPS-VAL GLOSSARY.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
ACFT-CODE	Aircraft Code	Alphabetic letter assigned by program according to aircraft type. Used in sort of AIRCRAFT-FILE.
ACFT-PRI	Aircraft Priority	Priority number of the unit to which this aircraft is assigned.
ACL	Allowable Cargo Load	Total permissible cargo weight (in pounds) for one aircraft of type indicated.
ACL5	Allowable Cargo Load	Field of record CD5 (type-5 input card). User may specify the ACL for a designated aircraft when the ACL must differ from the AMPS standard parameter.
ACL 9	Allowable Cargo Load	Redefines ACL-HOLD as a numeric field.
ACL-C130		Not referenced.
ACL-C141		Not referenced.
ACL-C5		Not referenced.
ACL-HOLD	Changed Allowable Cargo Load.	Used to redefine limit of ACL.
AC-ASGN-FLG	Aircraft Assigned Flag	Flag indicating whether or not aircraft have been assigned to a unit by the user. Field contains "1" if aircraft are assigned.
AC-CODE	Aircraft Code	Field of data record AIRCRAFT-REC containing a code dependent upon the



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
		type of aircraft described. This code is utilized in a sort.
AC-GEN-IND	Aircraft Generate Indicator	Area containing one of two 88-level condition codes. Contains "G" if air- craft are to be generated. Otherwise, contains "N."
AC-MOD	Aircraft Model	Type aircraft: C-5, C-141, C-130.
AC-NO	Aircraft Number	Mission number or identifi- cation of unit to which this aircraft is assigned.
AC-PR	Aircraft Priority	Same as ACFT-PRI.
AC-PRI	Aircraft Priority	Priority number assigned to each aircraft in accordance with the priority of the unit (as sequenced on type-3 input card) to which assigned.
AC-PRI-SW	Aircraft Priority Switch	Switch to permit programmer/ analyst to run program with an alternative aircraft priority: loading C-130s before C-141s. Type-1 card col.33 ≠ space accomplishes this.
AFCMD	Air Force Command	Field in record CD5 (type-5 input card) containing Air Force Command identifier if provided by MAC. Otherwise blank.
AIRCRAFT-DIAGNOSTIC	Same	Record area used to redefine CARDO-DIAGNOSTIC such that it describes aircraft data.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
AIRCRAFT-FILE	Same	File of all aircraft data records. Used as input to third sort.
AIRCRAFT-GENERATED		Not referenced.
AIRCRAFT-LIST	Same	Defines an area used to record aircraft data for listing on print. Redefines COM-CL-X.
AIRCRAFT-NOT-GENERATED	Same	88-level condition code indicating program is not to generate aircraft.
AIRCRAFT-REC	Aircraft Record	Specific data for one aircraft.
AIR-CFT	Aircraft Data	Area describing aircraft data. AIR-CFT becomes most of the record AIRCRAFT-REC in AIRCRAFT-FILE.
AIR-CTR	Aircraft Counter	A counter used to count the number of aircraft described by type-5 input cards.
ALW-WT-A	Same as ACL	Name of ACL data field in AIRCRAFT-REC.
ALW-WT-A9		Not referenced.
AN-KEY	Aircraft Number, Key for Sort	Input sequence number of the aircraft described in the record.
AREA-C130	Available Area	Number of square feet of floor space available in a C-130 for loading cargo.
AREA-C141	Available Area	Number of square feet of floor space available in a C141 for loading cargo.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
AREA-C5	Available Area	Number of square feet of floor space available in a C5 for loading cargo.
ARR	Arrival Airfield	Code of destination airport for designated aircraft.
ARV-AFLD	Arrival Airfield	Destination of designated aircraft.
AVAIL-PASS-FILE	Available Passenger File	File containing data on passengers who are available for loading aboard aircraft.
AVAIL-PASS-REC	Available Passenger Record	Describes a record in the AVAIL-PASS-FILE.
AVA-PASS	Available Passengers	Number of passengers, not linked to a cargo item, who are available for loading.
A-F		Flag used to direct the program to print diagnostics of invalid input data.
BN-CL	Bumper Number	Same as EQ-LNKE.
BRK-DESC	Description	Redefines DESC.
BUMP-NO	Bumper Number	Data field in VRN which identifies specific cargo item to related items and operators.
CARD-IN	Same	Data record of CD-RD file. Equivalent to input card.
CARD-N	Card Number	Field in CD-SRT record. Contains input card sequence number.
CARD-NO	Card Number	Sequence number of input data record.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
CARGO-DIAGNOSTIC	Same	Record area of cargo/passenger data.
CARGO-DIG-CLEAR	Clear Area of Cargo Diagnostic	Field used to suppress printout of extraneous data in cargo diagnostics output.
CARGO-LIST	Same	Defines area used for storing data for listing on printer.
CARRIER	Same	Aircraft operating agency: Military Airlift Command or Tactical Air Command.
CARR-CONT	Carriage Control	Field in PRINTER-RECORD.
CDSRT	Card-Sort	Field in record of the SRTD-CDS file.
CD1	Type-1 Card	Describes an input card (specifically, a type-1 card) .
CD1-PROCESSED	Same	88-level condition code used to direct the program.
CD2	Type-2 Card	Redefines CD1 to describe a type-2 input card.
CD2-PROCESSED	Same	88-level condition code used to direct the program.
CD3	Type-3 Card	Redefines CD1 to describe a type-3 input card.
CD3-PROCESSED	Same	88-level condition code used to direct the program.
CD4	Type-4 Card	Redefines CD1 to describe a type-4 input card.
CD5	Type-5 Card	Redefines CD1 to describe a type-5 input card.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
CD6E	Type-6 (Equipment) Card	Redefines CD1 to describe a type-6 equipment or cargo data card.
CD6P	Type-6 (Passenger) Card	Redefines CD1 to describe a type-6 passenger data card.
CD-CL	Card Type	Same as CD-TYPE.
CD-RD	Card Read	File of input data cards.
CD-SRT	Card Sort	Describe a record in the file "SRTD-CDS."
CD-TYPE	Card Type	Valid input data cards are type 1 - type 6 (card col 76).
CG	Center of Gravity	Planning center of gravity (in inches) of a cargo load for the designated type aircraft.
CGC-CL	Center of Gravity	Same as CGE.
CGC-S	Center of Gravity	Field of SORT-FILE record, S2, containing center of gravity of a cargo item.
CGE	Center of Gravity	Center of gravity of an item of cargo (expressed in inches from the front of the item). If blank, VAL-AMPS computes CGE = one-half the length of the cargo item.
CGEX	Center of Gravity	Redefines CGE.
CGOCD	Cargo Code	Two-character alphanumeric code used to identify various types of cargo.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
CHLK-NO	Chalk Number	Input sequence number of the aircraft described in the record.
CLASS 1		Not referenced.
CLASS-AREA	Same	Field of LIST-AREA used for printing reject messages in printouts of diagnostics.
CLASS-2		Not referenced.
CODE-AREA		Not referenced.
CODE-TYPE	Same	Redefines DEFINED-CODES as an array of codes for types of cargo.
COL80	80 Columns	Describes type-3 input card as containing 80 columns.
COMF-PAL	Comfort Pallet	Field of AIR-CFT record used to indicate whether or not a comfort pallet is installed aboard the designated aircraft (C-141 only).
COMMENTS	Same	Field of SORT-REC containing last 6 positions of type-6 card field DESC/NAME.
COMMENTS-S		Not referenced.
COMMON-AREA-1		Not referenced.
COMMON-AREA-2		Not referenced.
COMM-NOMEN		Field of SORT-FILE record S2 containing part of a cargo item description or passenger name.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
COMM-SH	Special Handling	If Cargo item requires special handling, this field contains that notation. Otherwise, blank.
COM-CL		Not referenced.
COM-CL-X		Not referenced.
COPYS	Copies	Option available on a type-1 input card. AMPS normally prints 1 copy of aircraft load diagrams and manifests. This option permits the printing of 2-9 copies of diagrams and manifests.
COPYS-9	Copies (numeric)	Redefines COPYS as a numeric field.
CPA	Comfort Pallet	Field in record CD5 (type-5 input card) used to indicate whether or not a comfort pallet is installed in the designated aircraft.
CUID	Combined Units	Field of PRI-LIST for printing a UID which user has designated as being combined with this UID, if any. This listing occurs on printout of "Priority Data."
CUN	Combined Units	Indicates combined UIDs in UID priority determination.
CU-IND		Flag indicating whether or not UIDs have a priority sequence specified. Directs the program accordingly. Contains HIGH-VALUE if input contains a type-3 card.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
C-H		Arrayed code designating type aircraft required (minimum size aircraft needed) to transport the item described.
C-S1		Field in SORT-FILE record S1 containing sequence number of input data record.
C-S2		Not referenced.
C-130-BEFORE-C-141	Same	77-level field used to control coding of aircraft types before a sort.
C-130-B-141		Area used to store message "C-130 Aircraft will be loaded before C-141 aircraft." This message will be printed if programmer/analyst sets AC-PRI-SW.
DATA-LINE	Same	Temporary area for data which is to be printed.
DATE-AREA	Same	Field in a print line used for editing current date.
DC-CHAR2		Field in DATE-AREA containing month.
DC-CHAR5		Field in DATE-AREA containing day of month.
DC-CHAR8		Field in DATE-AREA containing year.
DC-SL1		Not referenced.
DC-SL2		Not referenced.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
DECK	Same	Option in input card type-1 used to obtain a card deck of validated input.
DEFAULT-RESET	Same	88-level condition code used to direct the printing of a caution message when a passenger's weight exceeds AMPS standard parameter.
DEFINED-CODES	Same	Codes for cargo types.
DEF-PAS-RESET	Default Passenger Reset	Condition code used to direct the program. See DEFAULT-RESET.
DEP	Departure Airfield	Code of airfield from which designated aircraft will depart.
DEP-AFLD	Departure Airfield	Location from which designated aircraft will leave.
DESC	Description	Description of cargo item.
DIAGNOSTIC-AREA	Same	Area used by AMPS-VAL for displaying certain invalid data from types 5 and 6 input cards.
DIMENSION-AREA	Same	Field in record CD6E (type-6 equipment input card) used to record the dimensions and weight of a cargo item.
D-ACMOD	Aircraft Model, Diagnostic	Diagnostic area used to display invalid aircraft model if encountered on a type-5 input card.
D-AFCMD		Not referenced.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
D-ALWWT	Allowable Cargo Weight, Diagnostic	Diagnostic area used to display a non-numeric ACL field of a type-5 input card.
D-ARVAFLD		Not referenced.
D-BUMP		Not referenced.
D-CD		Not referenced.
D-CGC	Center of Gravity, Diagnostic	Diagnostic area used to display a non-numeric or obviously invalid center of gravity field of a type-6 equipment input card.
D-CHAR2		Area in GETDATE containing day of month (IBM-360 system).
D-CHAR4		Area in R-J-GETDATE containing year (CDC-6500 system).
D-CHAR5		Area in GETDATE containing month of year (IBM-360 system).
D-CHAR6		Area in R-J-GETDATE containing month of year (CDC-6500 system).
D-CHAR8		Area in GETDATE containing day of month (CDC-6500 system) or year (IBM-360 system).
D-CP		Not referenced.
D-DEPAFLD		Not referenced.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
D-FLS	First Loadable Station, Diagnostic	Diagnostic area used to display non-numeric FLS field of a type-5 input card.
D-HTH	Height, Diagnostic	Diagnostic area used to display a non-numeric or excessively large HTHE field of a type-6 equipment input card.
D-LLS	Last Loadable Station, Diagnostic	Diagnostic area used to display non-numeric LLS field of a type-5 input card.
D-LTH	Length, Diagnostic	Diagnostic area used to display a non-numeric or excessively large LTHE field of a type -6 equipment input card.
D-MISN		Not referenced.
D-NUM		Not referenced.
D-PAX	Passengers, Diagnostic	Diagnostic area used to display non-numeric PAXA field of a type-5 input card.
D-PAXW	Passengers with Equipment, Diagnostic	Diagnostic area used to display non-numeric (invalid) PAXAW field of a type-5 input card.
D-PRI		Not referenced.
D-QTY		Not referenced.
D-RNK		Not referenced.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
D-SEQ	Sequence, Diagnostic	Field in diagnostic area containing sequence number of input card.
D-SL1	Date, Slash 1	Area in GETDATE used to direct program according to whether date obtained from IBM-360 or CDC 6500 system.
D-SL2	Date, Slash 2	Same as for D-SL1.
D-SP		Not referenced.
D-SSAN	Social Security Number	Diagnostic area for displaying a non-numeric Social Security Account Number on a type-6 card.
D-TAILNO		Diagnostic area containing all "X" when some aircraft are assigned to units and this one is not.
D-TRL-OLAP	Trailer Overlap, Diagnostic	Diagnostic area used to display non-numeric trailer-overlap value, or any trailer-overlap value for a cargo item that can't be telescoped.
D-UID	Unit Identification, Diagnostic	Area of diagnostics used to display UID on printout of "Diagnostics of Input."
D-WT	Weight, Diagnostic	Diagnostic area used to display a non-numeric or excessively large WTGE field of a type-6 equipment input card.
D-WTH	Width, Diagnostic	Diagnostic area used to display a non-numeric or excessively large WTHE field of a type-6 equipment input card.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
D-XCODE	Cargo Item Code, Diagnostic	Diagnostic area used to display an invalid or erroneous cargo code encountered on a type-6 input card.
EP9	Number of Passengers	Maximum number of passengers to accompany an equipment load aboard a specific airplane.
EQP-SSAN		Not referenced.
EQP-S-SSAN		Not referenced.
EQUIP-MAX	Number of Non-out-sized Cargo Items	Number of items of equipment to be loaded which are small enough to load aboard C-130 or C141 aircraft.
EQ-LNKE	Equipment Link	Bumper (or administrative) number used to load related items of cargo and/or crew members aboard the same aircraft.
EQ-LNKE-TEMP	Equipment Link, Temporary Area	An area used to temporarily hold EQ-LNKE data of a cargo item.
EQ-LNKP	Equipment Link	Bumper (or administrative) number of the cargo item to which this passenger is assigned.
E-J-MESG	End of Job Message	Area of PRINTER-RECORD used to print appropriate message upon completion of computer run.
E-PASS-LMT		Not referenced.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
FDECK	Card Deck Flag	Flag indicating whether or not a deck of validated input data is to be punched. HIGH-VALUE gives punched deck.
FGEN	Generate Aircraft Flag	Flag indicating whether or not required aircraft are to be generated. HIGH-VALUE causes aircraft to be generated.
FINTEG	Integrity Flag	Flag indicating whether or not unit integrity is to be maintained. HIGH-VALUE causes unit integrity to be maintained.
FIRST-KEY	Key To First Record	"Key" to first record of MASTER-FILE.
FIRST-TIME	Same	88-level condition code used to direct the program.
FLAG-X	Same	Flag indicating error in input data. It causes program to print diagnostics of that data.
FLIST	Listing Flag	Flag used to obtain or suppress listing of validated input data. LOW-VALUE suppresses listing.
FLS	First Loadable Station	Most forward point in aircraft where cargo may be loaded.
FLSA		Not referenced.
FLS9	First Loadable Station	Most forward point in aircraft where cargo may be loaded.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
FMATE	Mating Flag	Flag used to indicate whether or not vehicles are to be mated with trailers/crew. HIGH-VALUE causes mating.
FORM-NUMBER	Page Number	Field of print line for printing page number on output.
FPLAN	Planning Flag	Flag directing detailed planning of each load.
FPRIO	Priority Flag	Flag used to indicate whether or not cargo is to be loaded according to unit-established priorities. LOW-VALUE overrides priorities within unit.
FTELE	Telescoping Flag	Flag used to indicate whether or not trailers are to be telescoped under their prime movers. HIGH-VALUE causes telescoping.
FTIME		Area containing one of five 88-level condition codes used to direct the processing of the various types of input cards.
F-T-L-M	First Time Loading Master File	Condition code used to direct the program during the building of the MASTER-FILE.
GEN-ARCFT	Generate Aircraft	Field in record CD1 (type-1 input card). Option to permit AMPS to generate aircraft as required for loading all passengers and cargo.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
GETDATE	Current Date	Area used for storing current date of computer run.
GETTIME	Time	Area used for storing time of day during computer run.
GO-KEY	Same	"Key" to first record in the MASTER-FILE.
GO-7	Same	Limits the size of GO-KEY to seven (7) digits.
G-K		Redefines GO-KEY.
HD-SUB	Sub-heading	Field used for temporarily storing sub-heading to be printed on output.
HEAD-OF-FORM	Same	Print line containing the heading which is printed at the top of each page of output.
HELI-LTH-LMTS		Not referenced.
HH	Hour	Field in GETTIME and in TIME-AREA containing hour of time of day.
HL-LMTS		Not referenced.
HS2		Area used for comparison of cargo records to prevent duplicate printings when one type-6 card describes two (2) or more identical items.
HTH	Height	Height of a cargo item (expressed in inches).
HTHE	Height	Height of a cargo item (expressed in inches).



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
HTH-CL	Height	Same as HTHE.
HTH-C130		Not referenced.
HTH-C141		Not referenced.
NTH-C5		Not referenced.
HTH-FILL		Not referenced.
HTH-HOLD	Hold Height	Maximum height (in inches) of a cargo item for a designated aircraft type (if default value is changed by programmer/analyst).
HTH-S	Height	Height of the cargo item, expressed in inches.
H9		Redefines HTH-HOLD.
I	Same.	Subscript/Index/Counter. Used variously.
INDX-AIR	Indexed Aircraft	An indexed file of aircraft data records.
INDX-AIR-REC	Indexed Aircraft Record	A data record in the file INDX-AIR.
INIT-POINT		Not referenced.
INIT-TOC		Not referenced.
INIT-UID		Not referenced.
INPUT-SEQ	Input Sequence	Sequence number of input data.
INTEGRITY	Same	Field of Type-1 input card. Contains "X" if unit integrity is to be maintained (user's option). Otherwise will be blank.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
I-SET	Same	Has no utilitarian function.
J	Same	Subscript/Index/Counter. Used variously.
KEY-AIR	Key to Aircraft Record	Field in AIR-CFT containing the input sequence number of aircraft data in this record.
KEY-AIRI	Key, Indexed Aircraft Record	Sequence number of aircraft record in the file, INDX- AIR.
KEY-MFB	Same	Key in MASTER-RECORD in MASTER-FILE. It is the sequence number of cargo/ passenger record in the file.
KEY-MFN	Key to MASTER-FILE	Indexing key for MASTER-FILE.
KEY-1	Same	A field in data record S1. Contains card type (from input card column 76).
KEY-2	Same	A field in data record S1. Contains sequence number of that type card (from input card columns 77-80).
KEY-3	Same	A field in data record S1. Contains the sequence number of the input card.
KEY-4	Same	A field in data record S1. Used in sorting data to produce the file SRTD-CDS. Contains HIGH-VALUE or LOW- VALUE.
LEFT-SHIFT	Same	Area to provide for edit.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
LIMITS-AREA		Not referenced.
LIMITS-C130		Not referenced.
LIMITS-C141		Not referenced.
LIMITS-C5		Not referenced.
LIMITS-FILL		Not referenced.
LIMITS-HOLD	Same	A programmer/analyst can change standard AMPS parameters. LIMITS-HOLD is an array which stores the changes.
LIMITS-REDER		Not referenced.
LIMIT-CODES		Not referenced.
LIM-ITS	Same	Describes the PARM-FILE record, PRMS-1.
LINE-COUNT	Same	Counts number of lines printed on page.
LIST-AREA	Same	Area for preparing lists of cargo/passengers/aircraft data from input.
LLS	Last Loadable Station	Aft-most point of aircraft to which cargo can be loaded.
LLSA		Not referenced.
LLS9	Last Loadable Station	Aft-most point of aircraft to which cargo can be loaded.
LNCNT	Maximum Line Count	Maximum number of lines on one page of printed output.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
LNS	Lines	Field in input data record to permit user to specify number of printed lines per page of output (40≤LNS≤60).
LNS-9	Lines (Numeric)	Redefines LNS.
LTH	Length	Length of a cargo item (expressed in inches).
LTHE	Length	Length of a cargo item (expressed in inches).
LTH-CL	Length	Same as LTHE.
LTH-C130		Not referenced.
LTH-C141		Not referenced.
LTH-C5		Not referenced.
LTH-FILL		Not referenced.
LTH-HOLD	Hold Length	Maximum length (in inches) of a cargo item for a designated aircraft type (if default value is changed by programmer/ analyst).
LTH-S	Length	Length of a cargo item (expressed in inches).
L9		Redefines LTH-HOLD.
L-C		Not referenced.
MASTER-FILE	Same	Master file of cargo data.
MASTER-RECORD	Same	Data record in MASTER-FILE.
MASTR-CTR	Master Records Counter	Counts the number of cargo items plus passengers linked to equipment.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
MAX-HELI-LTH	Maximum Length, Helicopter	Describes an array containing the maximum lengths of helicopter packages which can be loaded aboard each type aircraft.
MAX-PASS-WT	Maximum Passenger Weight	Maximum weight of any passenger to be loaded.
MISSION	Same	Unit identification to which this aircraft has been assigned, if any.
MIXC5		Not referenced.
MIX-C130		Not referenced.
MIX-C141		Not referenced.
MIX-HOLD	Hold Ratio Mix	Area to hold the ratio of C-130 to C-141 aircraft to be generated when that option is selected by the user. (When generate option is selected and no ratio mix is specified, AMPS-VAL generates C-5 aircraft only.)
MM	Minutes	Field in GETTIME and in TIME-AREA containing minutes of time of day.
MN	Mission Number	Mission identifier for the designated aircraft.
MODEL	Same	Field in CD4. Contains aircraft model/type.
MR-CGC		Not referenced.
MR-COMMENTS		Not referenced.
MR-EQLNK		Not referenced.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
MR-HTH		Not referenced.
MR-LTH		Not referenced.
MR-NAM	Name	Description of cargo item or name of passenger.
MR-NOM		Not referenced.
MR-PR-NO		Not referenced.
MR-RK		Not referenced.
MR-SIZE-CODE		Not referenced.
MR-SSAN		Not referenced.
MR-VRN		Not referenced.
MR-WT		Not referenced.
MRWTH		Not referenced.
MR-XCODE		Not referenced.
M9		Redefines MIX-HOLD.
NAME	Same	Name of passenger.
NEW-LINE-1	Same	Area containing first line of column headings for output of "Cargo Data."
NEW-LINE-2	Same	Area containing second line of column headings for output of "Cargo Data."
NEW-LINE-3	Same	Describes the format for one printed line of "Cargo Data."

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
NOBAL	No Balanced Load Diagram	Field in record CD1 (input card type-1). Option to suppress printing of diagrams of balanced aircraft loads as planned by AMPS-LOAD.
NOLIST	No List	Field in record CD1 (input card-type-1). Option to suppress listing of validated input when AMPS-VAL is run with AMPS-LOAD.
NOMATEING	No Mating	Field in record CD1 (input card-type-1). Option to override the automatic mating of equipment and crew that have identical bumper numbers.
NOMENCLATURE		Not referenced.
NOMEN-PRIME		Description of cargo item or name of passenger.
NOMENRNK	Rank	Passenger's Rank.
NOM-CL		Description of cargo item.
NO-AC	Number of Aircraft	Sequence number of aircraft in input data. Eventually, number of aircraft in input data.
NO-APS		Not referenced.
NO-COPIES	Number of Copies	Number of times each load plan and manifest is to be printed.
NO-COPIES-X	Number of Copies	Redefines NO-COPIES.
NO-C130	Number of C-130s	Number of C-130 aircraft available for loading.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
NO-C141	Number of C-141s	Number of C-141 aircraft available for loading.
NO-C5	Number of C-5s	Number of C-5 aircraft available for loading.
NO-FILL	Number of Aircraft	Number of aircraft available for loading.
NO-HOLD		Element in arrayed data containing the number of aircraft of a specific type available for loading.
NO-PLANE		Not referenced.
NO-PR	Number of Priorities	Number of units in input data.
NPRI	Priority Number	Area used to establish a loading priority number for each aircraft.
NTEMP	Priority Number, Temporary	A temporary area used in the process of establishing a loading priority number (NPRI) for each aircraft.
N-CG	Center of Gravity	Center of gravity of a cargo item, expressed in inches from the front of the item.
N-CGO-CD	Cargo-type, Code	Code indicating type of cargo (e.g., "PX" = passenger, "BU" = bulk unit, etc.).
N-HTH	Height	Height of the cargo item (expressed in inches).
N-LINE-3-AC-REQ		Not referenced.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
N-LINE-3-BODY	Body of Print Line	Describes the major portion of an area used for printing "Cargo Data."
N-LINE-3-SEQ		Not referenced.
N-LINK	Equipment Link	Bumper (or administrative) number used to link related items of cargo and their operators.
N-LTH	Length	Length of the cargo item (expressed in inches).
N-NOMEN		Not referenced.
N-NOMEN-1		First portion of cargo item description or passenger name.
N-NOMEN-2		Last portion of cargo item description of passenger name.
N-OUT-S	Out-sized	Indicates this is an out-sized item of cargo requiring a C-5 aircraft to transport it.
N-PAX		Indicates if the passenger is required to be loaded with a cargo item, or is available for loading on any plane assigned to the same unit.
N-PLANE	Plane Needed	Indicates the minimum size plane needed to transport this item of cargo.
N-PRI	Priority	Item priority.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
N-RANK	Rank	Rank of passenger.
N-SEQ	Sequence Number	Sequence number of cargo data record in MASTER-FILE.
N-SHREQ	Shoring Required	Area used to indicate on printout of "Cargo Data" that this item requires shoring.
N-SPHD	Special Handling Required	Area used to indicate on printout of "Cargo Data" that this item requires special handling.
N-SSN	Social Security Number	Social Security Account Number of passenger.
N-SSN-R		Not referenced.
N-TR-OV	Trailer Overlap	Trailer overlap. See TRL-OLAP.
N-UID	Unit Identification	Unit to which the cargo item is assigned.
N-WEIGHT	Weight	Weight of the cargo item (expressed in lbs.).
N-WTH	Width	Width of the cargo item (expressed in inches).
OPT-IN-E1	Options In Effect, 1	Area used to print column headings of "Options in Effect."
OPT-IN-E2	Options In Effect, 2	Area used to print column headings of "Options in Effect."
OPT-IN-E3	Options In Effect, 3	Area used to indicate which options are in effect on printout of "Options In Effect."

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
OUT-MAX	Number of Outsized Items	Number of outsized items of cargo in this run requiring a C-5.
PAGENO	Page Number	Counter used to number pages of printed output.
PAGE-NO-SWAP	Page Number Swap	Area used to store page number of last output page by AMPS-VAL. PAGE-NO-SWAP is referenced by AMPS-LOAD.
PARAM-HD2	Parameters Heading	Area used for printing sub-heading on printout of "Parameters In Effect."
PARAM-HD3	Parameters Heading	Area used for printing sub-heading on printout of "Parameters In Effect."
PARAM-HD4	Parameters Heading	Area used to print column headings on output of "Parameters In Effect."
PARAM-ACL	Parameter, Allowable Cargo Load	Field used for printing the allowable cargo load for each type aircraft on printout of "Parameters In Effect."
PARAM-ACL-AST		Redefines PARAM-ACL.
PARAM-CARGO-TYPE		Area used for listing aircraft models on printout of "Parameters In Effect."
PARAM-FILE	Parameter File	A file of parameters in effect for this run. This file is utilized by AMPS-LOAD.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
PARM-HTH	Parameter Height	Area used for listing the maximum height of a cargo item that can be loaded into each aircraft type. This listing occurs on printout of "Parameters in Effect."
PARM-LTH	Parameter Length	Area used for listing on printout of "Parameters In Effect" the maximum length of a cargo item that can be loaded on each type aircraft.
PARM-L1	Parameter List, 1	Area used for listing parameters for each aircraft type in printout of "Parameters In Effect."
PARM-L2	Parameter List, 2	Area used for printout of default passenger weight.
PARM-L2-A	Parameter List, 2A	Area used to notify user that type-6 input cards have overridden the AMPS-VAL default passenger weight (240 lbs).
PARM-L3	Parameter List, 3	Area used to print program's specification of "Schematic Print Width."
PARM-MIX	Parameter Mix	Area used for listing the ratio of C130 to C-141 aircraft on printout of "Parameters In Effect" when the option to generate aircraft has been selected.
PARM-MIX-AST		Redefines PARM-MIX.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
PARM-PCG	Parameter Planning Center of Gravity	Area for listing the planning center of gravity for each aircraft type on printout of "Parameters In Effect."
PARM-PCG-AST		Redefines PARM-PCG.
PARM-PO		Describes a print line.
PARM-POA		A field in the print line PARM-PO containing aircraft type.
PARM-PON		A field in the print line PARM-PO used to print number of passengers on an all passenger load on printout of "Parameters In Effect."
PARM-PW		Describes a print line.
PARM-PWA		A field in the print line PARM-PW containing aircraft type.
PARM-PWN		A field in the print line PARM-PW used to print the number of passengers which can be loaded with equipment on printout of "Parameters In Effect."
PARM-PWT	Parameter Passenger Weight	AMPS-VAL standard passenger weight (240) or greatest passenger weight specified by user if greater than 240 lbs.
PARM-SCH	Parameter Schematic	Number of print lines per schematic print width (18).

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
PARM-WT	Parameter Weight	Area used for printing, on printout of "Parameters In Effect", the maximum weight of a cargo item that can be loaded aboard each aircraft type, or the maximum weight of a cargo item considered as "fill."
PARM-WTH	Parameter Width	Area used for printing the maximum width of a cargo item that can be loaded aboard each aircraft type on printout of "Parameters In Effect."
PASS-BUMP		Not referenced.
PASS-LMT-A	Number of Passengers	Same as PAXA.
PASS-MAX	Number of Passengers, Maximum	Number of passengers described by master records.
PAS-DATA-HOLD-AREA	Same	Contains number of passengers permitted on each aircraft type, for all-passenger and passenger with equipment loads.
PAS-DATA-1		Not referenced.
PAS-DATA-2		Not referenced.
PAS-DATA-3		Not referenced.
PAS-EQUIP	Passengers With Equipment	Maximum number of passengers permitted in a passenger/equipment load for the designated type aircraft.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
PAS-ONLY	Passengers Only	Maximum number of passengers permitted in an all-passenger load for the designated type aircraft.
PAX	Number of Passengers	Maximum number of passengers to be loaded aboard designated type aircraft in an all-passenger load.
PAXA	Number of Passengers	Maximum number of passengers to be loaded aboard a specific airplane in an all passenger load.
PAXAW	Number of Passengers	Maximum number of passengers to accompany an equipment load aboard a specific airplane.
PAXW	Number of Passengers	Maximum number of passengers to be loaded aboard designated type aircraft in a load of passengers with equipment/cargo.
PAXWT	Passenger Weight	Maximum weight of one passenger using AMPS standard parameters (PAXWT = 240 lbs.).
PAXW9	Number of Passengers	Redefines PAXW.
PAX9	Number of Passengers	Redefines PAX.
PAX-WT	Passenger Weight	Maximum weight of one passenger (expressed in pounds.).
PAX-WT9	Passenger Weight	Redefines PAX-WT.
PCG9		Redefines PCG-HOLD.
PCG-C130		Not referenced.
PCG-C141		Not referenced.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
PCG-C5		Not referenced.
PCG-HOLD	Planning Center of Gravity Holding Area	Storage area for PCG entered from input data.
PEJ-CTR	Pre-reject Counter	Counts the number of master records rejected because of invalid card type.
PNO-C130	Number of C-130s	Number of C-130 aircraft available for loading.
PNO-C141	Number of C-141s	Number of C-141 aircraft available for loading.
PNO-C5	Number of C-5s	Number of C-5 aircraft available for loading.
POINTER	Same	Priority number of a UID in the array PRIORITY-FILE. This number is assigned by VAL-AMPS in accordance with the user's sequential listing of UIDs (type-3 input cards).
PRIE	Priority	Priority (desired sequence of delivery) assigned to a designated cargo item by the unit commander.
PRIEX	Priority	Redefines PRIE.
PRINTER-FILE	Same	File of records to be printed.
PRINTER-RECORD	Same	Describes a record in the file "PRINTER-FILE."
PRINT-LTH	Print Length	Specifies number of print lines in a schematic diagram of an aircraft load.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
PRIORITY-FILE	Same	List of units by desired priority of movement.
PRIORITY	Priority	A field in SORT-FILE record S2. Will contain the priority number of an item within a UID as specified by the user.
PRIP	Passenger Priority Number	Priority (sequence of arrival assigned to the designated passenger by the unit commander.
PRITY	Priority	Field in record CD1 (input card-type-1). Option to permit overriding user's item of equipment priorities (col. 63-65 of type-6 input cards).
PRI-CL	Priority	Same as PRIE.
PRI-HDR	Priority Header	Area containing column headings for printing on output of Priority Data.
PRI-LIST	Priority List	Area used to print UID priority data in printout of "Priority Data."
PRI-OWT	Priority List: Outsize Weight	Field of PRI-LIST for printing the total weight of outsize cargo in this UID in "Priority Data" printout.
PRI-PRI	Priority List, Priority Number	Field of PRI-LIST for printing the priority number of the UID.
PRI-UID	Priority List, Unit Identification	Field of PRI-LIST for printing the unit identification in listing of "Priority Data."

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
PRMS-1	Parameters, 1	A data record in the file of parameters, PARM-FILE.
PRMS-2	Parameters, 2	A data record in the file of parameters, PARM-FILE.
PRMS-3	Parameters, 3	A data record in the file of parameters, PARM-FILE.
PRMS-4	Parameters, 4	A data record in the file of parameters, PARM-FILE.
PRM-IOOPTS		Not referenced.
PRTY	Priorities	Describes the array in the file, PRIORITY-FILE.
PR-NO	Priority Number	Indicates sequence in which unit delivery is desired.
PR-NO-TEMP	Priority Number	Temporary area for priority number (desired delivery sequence) of a unit (UID).
PR-T		Not referenced.
PXPS		Field in record CD6P (type-6 passenger input card). Contains the code "PX" indicating passenger data as opposed to equipment data.
P-AREA-C130	Available Area	Number of square feet of floor space available in a C-130 for loading cargo.
P-AREA-C141	Available Area	Number of sq ft of floor space available in a C-141 for loading cargo.
P-AREA-C5	Available Area	Number of sq ft of floor space available in a C-5 for loading cargo.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
P-COPIES	Number of Copies	Number of times each load plan and manifest is to be printed.
P-EQUIP-MAX	Number of Non-out-sized Cargo Items	Number of items of equipment to be loaded which do not require a C-5 aircraft.
P-FLAGS	Option Flags	Identifies options in effect in this run.
P-LNCNT	Maximum Line Count	Maximum number of lines on one page of printed output.
P-L-R		Not referenced.
P-OUT-MAX	Number of Outsized Items	Number of outsized items of cargo in this run requiring a C-5.
QTY	Quantity	Quantity of identical aircraft, described by one master record, which are to loaded consecutively.
QTY-CL	Quantity	Same as REPE.
QTY-9	Quantity, Numeric	Redefines QTY.
RATIO	Same	Field in CD4 to indicate ratio of C-130 to C-141 aircraft when option to have AMPS generate aircraft is selected.
RDY-FOR-CD1	Ready for Card 1	88-level condition code used to direct the program.
REJ-CTR	Reject Counter	Counts the number of type-6 input cards rejected.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
REPE	Quantity	The number of identical cargo items described by one type-6 input card.
REPE-9	Quantity	Redefines REPE.
REPP	Quantity	The number of identical cargo items described by one type-6 input card.
REPP-9	Quantity	Redefines REPP.
REST6		Field in CD6E containing a portion of equipment description or passenger's name.
RK	Rank	Rank of passenger.
RNK-CL	Rank	Not referenced.
R9	Ratio (numeric)	Redefines RATIO.
R-CLK-NO		Not referenced.
R-D-1	Redefine Data Line	Redefines DATA-LINE.
R-FLAG		Not referenced.
R-J-GETDATE	Current Date	Redefines GETDATE.
SAVE-3-UID	Save Unit Identification From Type-3 Card	An array used to save UIDs of type-3 input cards during a sort operation.
SAV3-UID	Same as above.	Element in the array SAVE-3-UID.
SAV-MOD	Save Aircraft Model	Area to which aircraft model number is moved prior to a sort, so that Type-5 cards won't be sorted by model number.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
SAV-3-UID	Save Unit Identification From Type-3 Card	An array used to save UIDs of type-3 input cards during a sort operation.
SEQAC		Not utilized by AMPS-VAL.
SEQUENCE	Same	Processing sequence of aircraft or of cargo/passengers.
SEQ-AD		Not referenced.
SET-IO-FLAGS	Same	Identifies option to be used and sets flags to direct program.
SHIFT-LEFT	Same	Area for temporary storage of a UID (from type-3 input card) during the process of establishing UID priorities.
SIZE-CODE	Same	Identifies size-category of cargo item. Designates by code the minimum size aircraft needed to transport the item.
SIZE-CODE-S	Size Code	Same as SIZE-CODE.
SORT-FILE	Same	Used in sorting data to produce MASTER-FILE.
SORT-REC	Sort Record	Describes a record of type- 6 cargo/passenger data on which the second sort occurs.
SPE	Special Problem	Contains an "X" when user knows the designated cargo item presents a problem in loading, unloading, or tiedown.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
SPEC-HD	Special Handling	Field of SORT-REC used to print a message to the user that the item described by this record requires special handling.
SP-CL	Special Problem	Same as SPE.
SRTD-CDS	Sorted Cards	File created from input data by a sort operation.
SRT-AIR-REC	Sorted Aircraft Record	Describes part of the SORT-FILE record, S3.
SS	Seconds	Field in GETTIME and in TIME-AREA containing seconds in time of day.
SSAN	Social Security Number	Social Security Account Number of passenger.
SSAN-CL	Social Security Number	Social Security Account Number of passenger.
SSAN-CL-EQ		Not referenced.
SSAN-S		Not referenced.
SSAN-S9		Redefines SSAN-S.
SSAN-TR-OV		Social security account number of passenger or trailer-overlap (see TRL-OLAP).
SSAN-9	Social Security Number	Redefines SSAN as numeric .
START-KEY	Same	Counter used to assign sequence numbers to records in MASTER-FILE.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
SUB-HD	Sub-heading	Area to which sub-headings are moved for printing on output.
SUB-REC	Sub-record	Part of MASTER-RECORD. This part contains all information on input record except the KEY-MFB, which is program-generated.
S1		Describes a data record in SORT-FILE.
S2		Describes a data record in SORT-FILE.
S3		Describes a data record in SORT-FILE.
S-CGC		Center of gravity (see CGE).
S-DESC		Not referenced.
S-DESC1		Field in SORT-REC containing name of passenger or description of cargo item.
S-EQ-LNKE		Not referenced.
S-HTH		Height (see HTHE).
S-LTH	Length	Length (see LTHE).
S-N	Sequence Number	For input card types 1-5: contains sequence number of that type card. For card type-6: contains sequence number of master record.
S-N-X	Sequence Number	Redefines S-N.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
S-PRI	Priority	Sequence number in which delivery to this unit is desired.
S-PRITY	Item Priority	Desired delivery sequence number of a cargo item within a unit of items.
S-RK	Rank	Rank of passenger.
S-SSAN	Social Security Account Number	Social Security Account Number of passenger, or "trailer-overlap" of a cargo item.
S-TRL-OLAP		Trailer overlap (see TRL-OLAP).
S-VRN	Vehicle Registration Number	Field of SORT-REC containing priority number of unit and bumper number of item.
S-WT	Weight	Weight (see WTGE).
S-WTH	Width	Width (see WTGE).
S-XCODE		Field of SORT-REC containing the index number into the cargo code array which matches the cargo code of item in this record. S-XCODE is used to direct the program.
TELESCOPING	Same	Field of Type-1 input card. Contains "X" if user desires to not telescope trailers under prime movers. Otherwise blank.
TEMP-FILE	Temporary File	File created by second sort of input data. Used as input to fourth sort.
TEMP-RECORD	Temporary Record	Individual cargo record in TEMP-FILE.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
TIME-AREA	Same	Field in a print line used for editing time of day.
TITL	Title	Area for user's program title (from type-2 input card).
TN		Unit identification to which the designated aircraft has been assigned, if any.
TOCWIU-PF	Total Outsize Cargo Weight in Unit	Total weight of cargo items in unit requiring C-5.
TRL-OLAP	Trailer Overlap	Number of inches that a trailer can be "telescoped" under its prime mover, or number of inches a semi-trailer overlaps the tractor when they are mated.
TRL-OLAP-CL	Trailer Overlap	Same as TRL-OLAP.
T1-29	Title, 1-29.	Field for storing part of user's title.
T30-58	Same	Field for storing part of user's title.
T59-72	Same	Field for storing part of user's title.
UID	Unit Identification	Designates one unit or a combination of units to be moved as one priority.
UID-CL	Unit Identification (Cargo List)	Same as UID.
UID-HOLD	Unit Identification, Holding Area	Area used in UID comparison when unit integrity is to be maintained.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
UID-PF	Unit Identification (Priority File)	Area containing unit identification and priority number, arrayed according to user-established priority sequence on type-3 input card(s).
USER-TITLE	Same	Record from which user's program title is printed.
USER-TITL1	User's Title	Field in USER-TITLE record used for printing user's program title on output.
USER-TITL2	User's Title	Area used for storing user's title. Eventually written to PARM-FILE for reference by AMPS-LOAD.
VRN-CL		Not referenced.
VRN-S	Vehicle Registration Number	Identifies individual cargo item by unit priority number and bumper number (if any).
VRN-TEMP	Vehicle Registration Number	Temporary storage for VRN-S.
WTG	Weight	Weight of a cargo item (expressed in pounds).
WTGE	Weight	Weight of a cargo item (expressed in pounds).
WTH	Width	Width of a cargo item (expressed in inches).
WTHE	Width	Width of a cargo item (expressed in inches).
WTH-CL	Width	Same as WTHE.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
WTH-C130		Not referenced.
WTH-C141		Not referenced.
WTH-C5		Not referenced.
WTH-FILL		Not referenced.
WTH-HOLD	Hold Width	Maximum width (in inches) of a cargo item for a designated aircraft type (if default value is changed by programmer/analyst).
WTH-S	Width	Same as WTHE.
WTP	Passenger Weight	Weight of passenger. If left blank, AMPS assigns a weight of 240 pounds unless that parameter has been changed by the user (type-4 input card).
WTP-9	Passenger Weight	Redefines WTP.
WT9	Weight, Numeric	Redefines WT-HOLD.
WT-CL	Weight	Weight of cargo item or passenger (expressed in pounds). Same as WTGE.
WT-C130		Not referenced.
WT-C141		Not referenced.
WT-C5		Not referenced.
WT-FILL		Not referenced.
WT-HOLD	Hold Weight	Maximum weight (in pounds) of a cargo item for a designated aircraft type (if default value is changed by programmer/analyst).

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
WT-S	Weight	Weight of cargo item or passenger.
W9	Width, Numeric	Redefines WTH-HOLD.
XCODE	Same	Identifies type of cargo, by categories. Same as CGOCD.
XCODE-S		Same as S-XCODE.
XCOP	Number of Copies	Area used in printout of "OPTIONS IN EFFECT." Contains the number of printout copies of load diagrams and manifests desired, if user-specified. Otherwise contains 1.
XDECK	"X" Card Deck	Area used in printout of "OPTIONS IN EFFECT." Contains "X" if user desires a card deck of validated input. Otherwise blank.
XDIAG	"X" No Diagram	Area used in printout of "OPTIONS IN EFFECT." Contains "X" if user opts to suppress printout of load diagrams and manifests. Otherwise blank.
XGEN	"X" Generate	Area used in printout of "OPTIONS IN EFFECT." Contains "X" if input does not include type-5 cards, or if the option to generate aircraft is selected. Otherwise blank.
XING	"X" Unit Integrity	Area used in printout of "OPTIONS IN EFFECT." Contains an "X" if unit integrity is to be maintained.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
XLIN	Number of Lines	Area used in printout of "OPTIONS IN EFFECT." Contains the number of lines to be printed per page (40 to 60) if user-specified. Otherwise contains 55.
XLIST	"X" No List	Area used in printout of "OPTIONS IN EFFECT." Contains "X" if user opts to suppress listing of validated input. Otherwise blank.
XMATE	"X" No Mating	Area used in printout of "OPTIONS IN EFFECT." Will be blank if equipment/crew are to be mated. Otherwise, contains "X."
XPLUS		Counter used to set priorities for UIDs according to the sequence of their occurrence on type-3 input card(s).
XPRIO	"X" No Priority	Area used in printout of "OPTIONS IN EFFECT." Contains "X" if user elects to have program plan loads without considering unit priorities. Otherwise blank.
XTELE	"X" No Telescoping	Area used in printout of "OPTIONS IN EFFECT." Will be blank if trailers are to be telescoped under their prime movers. Otherwise contains "X."

CHAPTER 3  
AIR MOVEMENT PLANNING SYSTEM - LOAD  
(AMPS-LOAD)

3-1. GENERAL DESCRIPTION OF THE MODEL. AMPS-LOAD receives validated input from the AMPS-VAL program and constructs "optimum" aircraft load plans and manifests of both cargo and passenger data based on the parameters selected by the user. AMPS-LOAD must follow AMPS-VAL and may not be run as a stand alone system. A detailed description of the workings of AMPS-LOAD can be found in Volume II, AMPS USERS GUIDE, Chapter 2, Section II.

3-2. INPUT. Input to AMPS-LOAD consists of user prepared cargo, passenger, aircraft, and option data which has been processed by the AMPS-VAL program. Volume II, Chapter 4, Section I provides guidance on the preparation of the data.

3-3. OUTPUT.

a. AMPS-LOAD provides users with detailed statistics, plans and documentation for all aircraft involved in a movement.

(1) STATISTICS.

(a) Number of aircraft loaded and not loaded by aircraft type.

(b) Percentage of available aircraft net weight used by aircraft type.

(c) Percentage of available aircraft net area utilized by aircraft type.

(d) Number of standard cargo items loaded and not loaded.

(e) Number of outsized cargo items loaded and not loaded.

(f) Number of passengers loaded and not loaded.

(2) LOAD DIAGRAMS.

(3) CARGO MANIFESTS.

(4) PASSENGER MANIFESTS.

(5) CARGO/PASSENGERS NOT LOADED.

(6) AIRCRAFT NOT USED.

b. Volume II, Chapter 4, Section II provides guidance on analysis of AMPS-LOAD. Sample output is contained in Volume III, Appendix D.

### 3-4. NARRATIVE DESCRIPTION BY PARAGRAPH NAME

#### a. EXECUTIVE SECTION

<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
1. EXECUTIVE-SECTION	Initialize common areas.
2. CHP-CU	Blanks combined units indicators.
3. CHP-CU1	Sets combined unit indicators and sets outsized cargo indicators by unit and overall totals.
4. CHP-CU2	Exit.
5. CHP-CU3	Initializes counters and opens files; sets correct passenger limitations; reads the PARAMETER FILE and sets up various keys and the report title.
6. INITIAL-PARMS	Reads and sets additional parameters.
7. CONT-1	Sets up values in priority file.
8. END-PARM-INIT	Sets number of priorities; closes the PARAMETER FILE; opens AVAILABLE PASSENGER FILE; performs routine to set outsized cargo in the unit; performs routine that prints out first page of statistic checks to see if the aircraft generate option is being used, if so, it sets a key so that the AIRCRAFT FILE will not be read.
9. CONT-INT-PARM	Sends program to EXEC-LOAD.

#### b. PAGE-HEADING SECTION

1. PAGE-HEADING-SECTION	Increment page counter (number-form); set up date and time; write the page heading and title.
2. PAGE-HEADING-EXIT	Exit from the page heading section.

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

- |                       |   |
|-----------------------|---|
| 3. EXEC-LOAD          | This paragraph starts the loading procedure for all aircraft. It sets all indicators to item placement to zeros and resets the maximum number of items to be looked at to 40. If the aircraft generate option is being utilized, control passes to EXEC-GENERATE; otherwise, it passes to EXEC-LOAD-1.  |
| 4. EXEC-LOAD-1        | Read AIRCRAFT FILE, if it is not at end-of-file.  |
| 5. EXEC-LOAD-1-1      | If the aircraft has been used, go back to EXEC-LOAD-1. If the aircraft is assigned to a previous unit, print a message and go get another one. If there are other aircraft in the unit and the aircraft read is a C5 and this unit does not have outsized cargo, skip the aircraft and get another one. |
| 6. EXEC-LOAD-1-C      | Set the passenger limitations on this aircraft.   |
| 7. INV-KEY-AC         | Aircraft read error area. This paragraph searches the file for aircraft which may still be loaded.  |
| 8. EXEC-LOAD-2        | Computes number of aircraft loaded. Finds the type of aircraft being loaded and goes to the proper paragraph in the program.  |
| 9. EXEC-LOAD-3        | C141 load section. Sets maximum passengers and maximum passengers with other equipment and critical loading points on the aircraft.   |
| 10. NO-COMFORT-PALLET | Sets first and last loadable stations.  |
| 11. COMF-SET-UP-EXIT  | Sets up C141 aircraft parameters.   |



<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
12. EXEC-LOAD-4	C130 load section; sets maximum passengers that can be loaded and maximum passengers that can be loaded with equipment; sets C130 aircraft parameters.
13. EXEC-LOAD-5	C5 load section; sets C5 aircraft parameters.
14. EXEC-LOAD-6	Checks to see if we have passengers selected and if the aircraft has not been loaded. If neither is the case, LOAD-PICK is performed. LOAD PICK fills up the cargo areas.
15. APJ-RPWT	Adjust required passenger weight.
16. RPWT-ADJ	Resets the start key to the first item in next unit if no passenger or equipment for this unit has been selected.
17. DONT-ALTER-KEY	Determines if anything has been selected from the unit being loaded. If something has been selected, the program goes to FLUSH-BYPASS.
18. FLUSH-PASS-FILE	Reads AVAIL-PASS-FILE and makes sure that the aircraft will fly with cargo from the unit being loaded. If there are no more aircraft available for this unit, go and try to load the next unit after printing statistics. If there is no more cargo in the unit which is being loaded, go get the next unit.
19. FLUSH-BYPASS	Sort the load; balance the load.
20. SHIFT-RIGHT	If the aircraft is a C130 or a C141 and the load is in a straight line, shift the cargo to the right so that passengers can be loaded on the left side.

<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
21. SHIFT-BYPASS	If the aircraft to be loaded is a C141, and if it has a comfort pallet, change the dimensions of the aircraft to so indicate.
22. ADJ-PAX-MAX	Adjust maximum number of passengers the aircraft can carry in an all passenger load, and when other cargo is to be loaded, determine the maximum number of passengers which can be loaded with this cargo.
23. BY-PASS-C5	If a C5 aircraft is to be loaded next but is not needed at this time, bypass it and get the next aircraft.
24. PASS-ONLY-LOAD	Set all passenger indicators.
25. MAX-PAX-ADJ	Perform PASS-PICK to get passengers for aircraft. Checks to make sure that the aircraft being loaded is okay. If no cargo or passengers were selected, perform STATISTICS and then go to get another aircraft. If the aircraft was loaded, go print the manifest.
26. EXEC-LOAD-7	Rewrite AIRCRAFT-RECORD.
27. EXEC-LOAD-7-CONT	Select the correct aircraft summary area and go to it.
28. EXEC-LOAD-8	Compute density and number of C141 aircraft; go to EXEC-LOAD.
29. EXEC-LOAD-9	Compute density and number of C130 aircraft; go to EXEC-LOAD.
30. EXEC-LOAD-10	Compute density and number of C5 aircraft; go to EXEC-LOAD.
31. EXEC-GENERATE	Set up for C141/C130 aircraft generation as requested by the user.

<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
32. GEN-141	Generate C141 aircraft.
33. GEN-130	Generate C130 aircraft.
34. GEN-C5	Generate C5 aircraft.
35. KEY-CHANGE	Reset start key.
36. KEY-CHANGE-EXIT	Exit.
c. <u>LOAD-PICK SECTION</u>	
1. LOAD-PICK-PARA	Get the right unit for the aircraft; set up the MASTER-FILE with the correct key and read it.
2. INV-KEY-CP-CK	Invalid key routine.
3. MASTER-RS-2	Tries to read a bad master file.
4. MASTER-RS-OUT	Insures space if bumpered items are selected.
5. LOAD-PICK-1	Reads MASTER FILE; insures space if item not bumpered.
6. LOAD-PICK-1A	Resets start key; makes sure that the aircraft is compatible with the unit.
7. LOAD-PICK-B	Check to be sure that item is not bumpered to a previously rejected item; checks for bad sequencing; checks to be sure that the holding area can hold an item of this size.
8. SEL-ITEM-FOR-LOADING	Select loading method.
9. PICK-CALC-1	Calculates area of total items to be loaded on the aircraft.
10. PICK-CALC-2	Calculates weight of items to be loaded on aircraft.

<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
11. LOAD-PICK-SB	Combines mated items; sets basis for moment calculation.
12. TELES-TR	Computes moment, weight, length, CG, and height of item being loaded.
13. LOAD-PICK-PSG	Selects bumpered passengers.
14. LOAD-PICK-EXIT-A	Sets subscripts/indexes.
15. LOAD-PICK-STORE-BYPASSED	Check to see if the item being processed is a mated item.
16. LP-STORE-BYPASSED	Move MASTER-RECORD to BUFFER to be loaded.
17. LP-MATF-BYPASSED	Check to see if mated items can be loaded.
18. LP-MATE-OK	Items can be mated.
19. LOAD-PICK-CK-FOR-BYPASSED	Sets the number of each type of item selected for loading.
20. LOAD-PICK-NEXT-UNIT	Checks for the end of the unit being processed.
21. LOAD-PICK-EXIT-1	Sets subscripts/indexes.
22. LOAD-PICK-EXIT	Exit.
d. <u>HELI-PICK SECTION</u>	
1. HELI-PICK-ELIMINATION	Check to make sure that the helicopter will load with this unit.
2. HELI-PICK-INITIALIZATION	Save keys; position MASTER FILE for a search for helicopters.
3. HELI-PICK-STORE	Move HELICOPTER RECORD to store area.

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

- |                               |   |
|-------------------------------|---|
| 4. HELI-PICK-READ             | Checks for end of file; reads MASTER FILE.  |
| 5. HELI-PICK-EXIT-1           | Finds the proper load for helicopters; detects helicopters that have been loaded from MASTER-FILE; adds weight and number of passengers loaded to counters. |
| 6. HELI-PICK-SET-CLASS-2      | Moves totals of helicopter loadings to weight and passenger areas.  |
| e. <u>HELI-SELECT SECTION</u> |   |
| 1. HELI-SELECT-1ST-TIME       | Set up read for HELICOPTER FILE.  |
| 2. HELI-RECORD-SEARCH         | Starts the HELICOPTER FILE.   |
| 3. HELI-RECORD-FOUND          | Sets up helicopter read areas.  |
| 4. HELI-START-READ            | Reads HELI-LOAD-FILE.   |
| 5. HELI-SELECT-AC-SET         | Sets up type of aircraft being loaded.  |
| 6. HELI-SELECT-FIRST-LOAD     | Selects the number of helicopters of each type which are available.   |
| 7. HELI-SELECT-START          | Checks to see if any appropriate helicopter load plans were found.  |
| 8. HELI-SELECT-SEARCH         | Reads HELI-LOAD-FILE.   |
| 9. HELI-READ                  | Checks out HELI-LOAD-REC to see if it will match the helicopters we are required to load.   |
| 10. HELI-SELECT-NONE          | No helicopters were selected; helicopter is loaded as regular cargo.  |
| 11. HELI-SELECT-FOUND         | Sets up the helicopter load plan.   |
| 12. HELI-SELECT-EXIT          | Exit.   |



PARAGRAPH NAME

PARAGRAPH DESCRIPTION

f. HELI-DELETE SECTION

- |                             |   |
|-----------------------------|---|
| 1. HELI-DELETE-INITIALIZE   | Set up for MASTER FILE delete.  |
| 2. HELI-DELETE-START-MASTER | Select the proper MASTER RECORD.  |
| 3. DUMMY-PARAGRAPH          | Removes the program from a perform.   |
| 4. HD-1-A through HD-5      | Reread the MASTER FILE if an error is found.  |
| 5. HELI-DELETE-TNC          | Sets up type of helicopter utilized.  |
| 6. HELI-DELETE-LHT          | Deletes large helicopter type.  |
| 7. HELI-DELETE-AHT          | Deletes additional helicopter type.   |
| 8. HELI-DELETE-FLAG-MASTER  | Flags and rewrites MASTER-RECORD.   |
| 9. HELI-DELETE-FIND-PASS    | Flags and rewrites MASTER-RECORD which contains passenger data.                                     |
| 10. HELI-DELETE-PAX-MAX     | Adds to required passengers not loaded; indicates passengers which are required but are not loaded. |
| 11. HELI-DELETE-F-P-EXIT    | Exit.   |
| 12. HELI-DELETE-SET-PNTRS   | Checks for loading maximum number of helicopters.   |
| 13. HELI-DELETE-SET-PNTRS-1 | Sets helicopter loaded parameter.   |
| 14. HELI-DELETE-EXIT        | Exit.   |

g. HELI-POSITION-MASTER SECTION

- |                              |   |
|------------------------------|---|
| 1. HELI-POSITION-MASTER-PARA | Set up MASTER FILE for read on next cargo item. |
| 2. HELI-P-M-EXIT             | Exit.   |

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

h. PASS-PICK SECTION

- |                         |  |
|-------------------------|--|
| 1. PASS-PICK-SECTION-15 | This is the area in the program where passengers are selected for loading on an aircraft. Looks for required passengers; calculates weight and moment of aircraft. |
| 2. FINAL-SHIFT          | Checks for all pallet loads and to see which way the load is balanced.   |
| 3. FINAL-AFT            | Load cargo on back half of aircraft.   |
| 4. FINAL-FWD            | Load cargo on front half of aircraft.  |
| 5. FINAL-SHIFT-EXIT     | Set parameters for C130 or C141 aircraft depending on which one is being loaded.   |
| 6. NO-SEARCH-SPACE      | Check to see if there are more required passengers for aircraft.   |
| 7. GET-ANOTHER-PASS     | Selects available passengers for the aircraft being loaded.  |
| 8. FIND-PASS-GO         | Sets room on left side for seating passengers.   |
| 9. ZERO-INX             | Resets subscript/index.  |
| 10. NXT-LOC             | Sets basic tie-down location for cargo item.   |
| 11. CK-LOC              | Checks to see if the item will fit on the right side of the aircraft.  |
| 12. SET-UP-LEFT         | Checks to see if the item will fit on the left side of the aircraft.   |
| 13. CK-LEFT-SIDE        | Checks on left side space for cargo.   |
| 14. SET-UP-RIGHT        | Check a new area on the right side to see if it will fit.  |

<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
15. CR-MAX-AFT	Checks to see if there is room to load cargo on rear of aircraft.
16. SIDE-EXIT	Goes to see if item can be loaded on left side of aircraft.
17. FIND-PASS-EXIT	Exit.
18. PASS-WT-CK	Checks for maximum passengers to be loaded.
19. NO-CK-MOMENT	Determine if the aircraft can be balanced with maximum passengers. If not, reduce maximum passengers by one until the aircraft can be balanced.
20. FND-REQ-PASS thru PASS-LOOP-1	Find the equipment that has passengers assigned to it.
21. CK-FOR-BYPASSED	If previous passengers have been bypassed, take them.
22. CK-BY-PASS-1	Find the required passengers and load them.
23. REQ-PASS-FND-EXIT	Exit.
24. FIN-PASS	Check for passengers being loaded on C5 aircraft.
25. FINA-C5-FWD thru FINA-C5-AFT	Check to be sure that C5 can be balanced with passengers loaded.
26. PASS-PICK-EXIT	Exit.
i. <u>DELETE-FILE SECTION</u>	
1. DELETE-FILE-SECTION	Deletes the records for cargo items loaded aboard aircraft.
2. CK-NEXT-ITEM	Sets up MASTER FILE read, if it is necessary.

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

- |   |  |
|---|--|
| 3. BD-1A thru BD-4                            | These paragraphs re-read a bad MASTER FILE.  |
| 4. BD-5                                       | Moves data from MASTER RECORD to be deleted to a holding area. If two items are mated, it loads the first item in back of the second item. |
| 5. FIRST-ITEM-FWD                             | Same as BD-5, but loads the first item forward.  |
| 6. DELETE-IT                                  | Sets up computations based on size of item being selected.   |
| 7. REWRITE-IT                                 | Rewrites MASTER RECORD as a deleted record.  |
| 8. FIND-REQ-PASS                              | Finds out if there is room for all selected passengers.  |
| 9. RESET-PASS-INX                             | Resets subscripts.   |
| 10. LOOK-FOR-REQD-PASS<br>thru LOAD-REQD-PASS | Looks for and loads required passengers.   |
| 11. CAN-WE-TAKE-REQ                           | Determines whether or not required passengers can be loaded.   |
| 12. LOOK-FWD-FOR-SAME-VRN<br>thru LOOP-FWD    | Matches passengers with cargo to see if they are mated.  |
| 13. PASS-ERROR                                | Passenger errors message display.  |
| 14. CREATE-ITEM-TWO                           | Loads the second part of a mated pair of cargo items.  |
| 15. TELES-TRA                                 | Loads second item found in back of first item.   |
| 16. SECOND-ITEM-AFT                           | Loads second item in back of first item.   |

PARAGRAPH NAME

PARAGRAPH DESCRIPTION

17. SORT-LOAD

Arranges equipment in ascending sequence by LOD-FLAG.

j. MANIFEST SECTION

1. MANIFEST-SECTION-15

Print the manifest.

2. SORT-LOCATION-1 thru  
SORT-LOCATION-FWD

Arranges aircraft load from front to rear; sets up print lines.

3. MANIFEST-OPEN

Sets up page headings and prints same heading lines.

4. SCHEMATIC

Sets up print lines for the load plan.

5. PRINT-STATIONS-1 thru  
PRINT-STATIONS-3

Sets up and prints fuselage stations for aircraft being loaded.

6. SEARCH-PK-LOC-1

Checks for helicopters.

7. SET-LOAD-PIC

Sets up cargo floor area print.

8. SET-LOAD-PICK-1 thru  
SET-LOAD-PICK-13

Diagrams cargo load layout on floor of aircraft being loaded.

9. SET-LOAD-PIC-HELI thru  
SET-LOAD-PIC-HELI-9

Diagrams helicopter load layout on floor of aircraft being loaded.

10. SCHEMATIC-EXIT

Prints cargo manifest keys.

11. MANIFEST-CARGO-1

Computes moment and gross, then prints cargo line.

12. HELI-MANIFEST-CARGO thru  
HELI-MANIFEST-CARGO-2

Moves correct helicopter load number to print area; computes moment and gross, then prints the cargo line.



<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
13. MANIFEST-CARGO-EXIT	Moves CG, gross, moment, and area into print line and prints it; moves passenger data into print line and prints it.
14. MANIFEST-CARGO-EXIT-1	Computes aircraft gross and prints totals.
15. MANIFEST-CLOSE	Prints signature blocks.
16. PASS-MANIFEST thru PASS-MANIFEST-1	Prints passenger manifest.
17. REQUIRED-PAX-PROBLEM	Prints information on number of required passengers which were not loaded on this aircraft.
18. PASS-MANIFEST-EXIT	Prints passenger totals.
19. MANIFEST-EXIT	Exit.
k. <u>POSITION-ITEMS SECTION</u>	
1. POSITION-ITEMS-SECTION	Positions and balances cargo on aircraft.
2. POSITION-ITEM-SECTION thru ZERO-LOCATION	Sets up for positioning items on aircraft.
3. HELI-PB-LOAD thru HELI-POSITION-EXIT	Positions helicopters on aircraft.
4. CK-CREATE-PAL thru NO-CREATE	Used to create comfort pallet on C141.
5. COUNT-LOAD thru CK-FOR-PALLET-LOAD	Checks for pallets and items which are to be centerlined.
6. LOAD-EQUIP thru NEXT-ITEM	Load equipment.

<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
7. CENTER-LOAD thru CENTER-LINE-DECK	Loads items which must be centerlined.
8. NO-LOFT	Loads aircraft with no loft.
9. NO-FORCE-CG thru FORCE-CENTER	Checks to see if cargo is going to be centerlined.
10. CK-IT	Checks to see when the item was loaded or if it was loaded.
11. LOAD-ONLY-PALLETS thru LOAD-PALLET-EXIT	Section of the program that loads pallets.
12. CK-RETURN-LOADED	Checks to see where the item was loaded.
13. LOAD-RAMP-PALLETS thru LOAD-RAMP	Loads pallets and other cargo on ramps.
14. CK-RETURN-NOT-LOADED	Select next pallet or another cargo item.
15. LOAD-AFT-RAMP thru ALL-RAILS	If item will fit on aircraft ramps, load it.
16. LOAD-ITEM thru CK-IT2	Check to see if the item can be loaded on the deck of the aircraft.
17. RAMP-LOAD	Check to see if the item will fit on the aircraft ramp.
18. LOAD-FWD	Load the item on the forward part of the aircraft, if it will fit.
19. LOAD-AFT	Load the item on the rear part of the aircraft, if it will fit.

AD-A066 988

ARMY LOGISTICS CENTER FORT LEE VA  
AIR MOVEMENT PLANNING SYSTEM (AMPS). VOLUME III. SYSTEM/PROGRAM--ETC(U)  
NOV 78 J E FREEMAN, V G LANKFORD, R E SPAIN

F/6 15/5

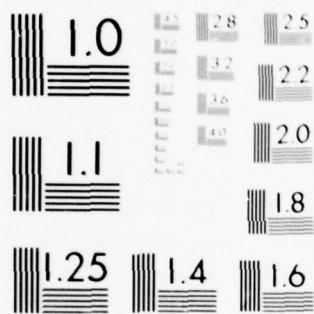
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

<u>PARAGRAPH NAME</u>	<u>PARAGRAPH DESCRIPTION</u>
20. CK-FOR-AVAILABLE-SPACE thru LOAD-IF-SPACE-EXIT	See if there is any way the cargo item can be placed on the aircraft.
21. CALC-MOMENT thru CK3	Checks to see if the aircraft is balanced.
22. CK-BALANCE thru CK1	Sets desired CG of aircraft depending on allowable gross weight.
23. CK3 thru ELD-ORG-RET	Check desired CG to see if it is within tolerance. If it is spread to utilize all available space. If the load is out of balance, see if it can be shifted into balance.
24. REST-EQUIP-LOAD thru EQ-LD-CL	Load the rest of the equipment.
25. FIND-LENGTH thru ITEMS-STLINED	Determine if all items can be straight-line. If they can, spread them out to the maximum extent possible; if not, rebuild the last load.
26. QUIT-SPREAD thru POSITION-AND-BALANCE-EXIT	Finalizes the load.
27. END-OF-JOB SECTION	Prints cargo and passengers not loaded and aircraft not used and closes the program.
28. EOF-AIRCRAFT	Prints end of aircraft message.
29. OPERATION-REQUEST	Prints list of available passengers not loaded.
30. PASS-REBLT thru REBUILD-CARGO-1	Prints list of cargo and passengers not loaded on any aircraft.
31. REBUILD-AIRCRAFT	Prints list of aircraft that were not loaded.



PARAGRAPH NAME

PARAGRAPH DESCRIPTION

32. END-HEADING-AP thru  
END-HEADING-UT-EXIT

Prints headings for END-OF-JOB routines.

33. STATISTICS SECTION

Prints statistics at start and end of program run and optionally at the end of every unit or series of combined units.

34. INVALID-KEY-REWRITE  
SECTION

Prints messages if an erroneous master file is read or if an erroneous aircraft record is found.

35. CLOSE-SHOP

Prints final page heading and end of job message, then closes all open files.

### 3-5. AMPS LOAD GLOSSARY

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
A	Same	Computed length of an item being loaded aboard an aircraft.
AAREA	Same	Print format area for area of item being loaded on aircraft.
ACL-C130	Allowable Cargo Load for C130	Total permissible weight for C130 Aircraft.
ACL-C141	Allowable Cargo Load for C141	Total permissible weight for C141 Aircraft.
ACL-C5	Allowable Cargo Load for C5	Total permissible weight for C5 Aircraft.
ACL-HOLD		Not referenced.
AC-CENTER	Aircraft Center	One half of the width of the aircraft being loaded.
AC-HTH	Aircraft Height	Maximum height of one cargo item for this aircraft.
AC-LTH	Aircraft Length	Maximum length of one cargo item for the aircraft.
AC-MOD	Aircraft Model	Type of aircraft: C5, C141, and C130.
AC-NO	Aircraft Number	Mission or "tail" number of aircraft.
AC-PRI	Aircraft Priority	Utilized when assigning aircraft to a specific unit.
AC-RS-KEY		Not used.
AC-WTH	Aircraft Width	Maximum width of one cargo item for the aircraft.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
AFT		Not referenced.
AFT-HALF	Aft Half	Rearward half of the aircraft.
AFT-RAMP-HINGE	Aft end of cargo cargo deck	Defines the aft limits of cargo deck loading area.
AFT-STA	Aft station	Rearmost point in an aircraft cargo compartment in which cargo can be loaded.
AFT-X	Aft end of cargo to be loaded	Utilized in setting cargo into proper area in cargo deck.
AHT-QTY-DEC	Amount-Quantity to delete	Counter used to delete helicopters from Master File after they have been loaded.
AIRCRAFT-DATA	Same	Record holding individual aircraft data.
AIRCRAFT-EOF	Aircraft end of file	Flag end of aircraft data file.
AIRCRAFT-FILE	Same	File of all aircraft data records.
AIRCRAFT-LIST	Same	Defines an area used to record aircraft data for listing on print.
AIRCRAFT-RECORD	Same	Specific data for one aircraft.
AIRCRAFT-USED	Same	Check to see if an aircraft under consideration has been loaded.
AIR-KEY		Not referenced.
AITEMS	Same	Number of filler items that can fit on this aircraft.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
ALL-PALLET-FLG	All Pallet flag	Indicates whether or not an aircraft is to be loaded entirely with pallets.
ALL-PASS-FLG	All Passenger Flag	Check to see if an aircraft is to be loaded entirely with passengers.
ALW-CU	Allowable cube	Number of cubic feet of space available for cargo.
ALW-WT	Allowable weight	Total permissible cargo weight for this aircraft.
AREA-AC	Area aircraft	Number of square feet of floor space available for the aircraft being loaded.
AREA-C130	Same	Number of square feet of floor space available for C130 aircraft.
AREA-C141	Same	Number of square feet of floor space available for C141 aircraft.
AREA-C5	Same	Number of square feet of floor space available for C5 aircraft.
ART	Aircraft file finished	Used to determine if the Aircraft File has been read in its entirety.
ARV-AFLD		Not referenced.
AVAIL	Aircraft Available	Number of aircraft available for loading.
AVAIL-PASS-FILE	Available Passenger File	File of all available passengers.
AVAIL-PASS-REC	Available Passenger Record	Specific data for one passenger.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
AV-ACL-C130	Average percentage of ACL used by C130 aircraft	Average percentage of ACL weight achieved by C130 aircraft to this time.
AV-ACL-C141	Average percentage of ACL used by C141 aircraft	Average percentage of ACL used by all C141 aircraft to this time.
AV-ACL-C5	Average percentage of ACL used by C5 aircraft	Average percentage of ACL used by all C5 aircraft to this time.
A-F	Aircraft forced (Straight-line)	Indicates whether or not cargo in an aircraft must be loaded in a straight-line.
BEGIN-KEY	Same	Sets up Master File for initial read.
BIAS	None	Set number of helicopters found in Load Pick.
BITEMS	Same	Number of C130 "B" items available for loading.
BUFFER	Same	Temporary storage area for various data items.
BUFFER-KEY		Not referenced.
BUF-SIZ-CD	Buffer size code	Keeps track of the maximum size of the items being loaded on an aircraft.
BUMP-NO	Bumper number	Field in Master Record which identifies specific cargo item to related items and operators.
BUMP-NO-HOLD		Not referenced.
CARGO-LIST	Same	Defines area used for storing data for listing on printer.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
CARGO-MANI-FEST		Not referenced.
CARRIER		Not referenced.
CARR-CONT		Not referenced.
CENTER-WT	Center Lined Weight	Items weighing this much or more must be center lined on the aircraft being loaded.
CGC	Center of Gravity, Cargo	Center of gravity of the cargo items.
CGSTANO	Station number of load center of gravity	Location in cargo compartment of center of gravity of load.
CGTEMP	Center of Gravity, Temporary	Temporary CG of load, used in separating combined items. Also, used to hold best result of planning iterations.
CG-X	Center of Gravity X-Axis	Longitudinal station location of cargo item.
CG-Y	Center of Gravity Y-Axis	Inches from right side of cargo compartment to cargo.
CHALK-NO	Same	Sequence number of aircraft departing the field.
CHALK-NUMBER		Not referenced.
CHAR1		Not referenced.
CHAR2		Not referenced.
CHAR-GROUP		Not referenced.
CHECK-MESSAGE	Same	Print section utilized in Statistics section.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
CHECK-NOTE	Same	Receiving sections of check note.
CHLK-NO	Same	Sequence number of aircraft departing the airfield.
CHLK-NO-X	Same	Redefines CHLK-NO.
CITEMS	C Items	Number of items available for loading which require C141 aircraft.
CK-BAL-RETURN-IND	Same	One position control area used in balancing aircraft.
CODE-HOLD		Not referenced.
COMENTS		Not referenced.
COMF-PAL	Comfort Pallet	Includes a comfort pallet loaded on a C141 aircraft.
COMMENTS	Same	User comments to be printed on aircraft manifest.
COMMENTS-C	Comments Continued	Continuation of comments.
COMUNITS	Combined Units	Indicates that units are to be combined during a program run.
CONTROL-NUM		Not utilized.
CUID	Combined Unit Identification	Indicates combined unit.
C130-LOADED	Same	Number of C130 aircraft loaded.
C141-LOADED	Same	Number of C141 aircraft loaded.
C5-LOADED	Same	Number of C5 aircraft loaded.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
C-MESS-NUM		Not referenced.
C-130-PAS	Same	Number of passengers which can be loaded on a particular C130 on all passenger load.
C-130-PAS-W	Same	Number of passengers which can be loaded on C130 when other equipment is also loaded.
C-141-PAS	Same	Number of possible passengers on all passenger load of C141.
C-141-PAS-W	Same	Number of possible passengers on C141 when other equipment also is loaded.
C-5-PAS	Same	Number of possible passengers on C5.
C-5-PAS-W	Same	Number of possible passengers on C5 when other equipment also is loaded.
DATA-LINE	Same	Temporary hold area for assembling data which is to be printed.
DATE-AREA	Same	Field in form heading in which date is placed for printing.
DATE-HOLD	Same	Field for acceptance of external date.
DATE-PREP	Date prepared	Manifest preparation date.
DC-CHAR2	Same	Date holding area.
DC-CHAR5		Date holding area.
DC-CHAR8		Date holding area.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
DC-SL1		Not referenced.
DC-SL2		Not referenced.
DENSITY-C130	Same	Average density of all C130 aircraft loaded.
DENSITY-C141	Same	Average density of all C141 aircraft loaded.
DENSITY-C5	Same	Average density of all C5 aircraft loaded.
DEP-AFLD		Not referenced.
DESIRED-CG	Same	Desired CG of aircraft being loaded.
DITEMS	Same	Number of items which will only fit on C5 aircraft.
D-CHAR2	Same	Date holding area.
D-CHAR4	Same	Date holding area.
D-CHAR5	Same	Date holding area.
D-CHAR6	Same	Date holding area.
D-CHAR8	Same	Date holding area.
D-SL1	Same	Date holding area.
D-SL2	Same	Date holding area.
EDIT-CHAR	Same	Holding area for various numeric data.
EDIT-FIELD	Same	Holding area for various numeric data.
END-OF-UNIT	Same	End of unit indicator.
EOJ-MESS	Same	End of job message.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
EP9	Equipment with Passengers	Maximum number of passengers which can be loaded with equipment on a specific aircraft.
EQUIP-KEY	Same	Equipment in memory location control field.
EQUIP-LOAD	Same	Holding area for equipment items that may fit on the aircraft under consideration.
EQUIP-LOADED	Same	Number of cargo items loaded to this time.
EQUIP-LOAD-HLD	Same	Holding area for items tentatively selected to be loaded on aircraft under consideration.
EQUIP-MAX	Same	Total standard sized equipment not loaded to this time.
E-PASS-LMT	Equipment with passenger limit	Maximum number of passengers which can be loaded when equipment is also loaded on this aircraft.
FACING	Same	AFT on C141 and C130, FWD on C5.
FACING-EXCEPTION	Same	An exception to "FACING" caused by a peculiarity in loading one particular aircraft.
FACING-EXCP	Same	Same as "FACING-EXCEPTION".
FACING-FLAG	Same	Indicates whether or not "FACING-EXCEPTION" should be used.
FACING-STATEMENT	Same	Data used in printing comments field.
FDECR		Not referenced.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
FGEN	File Generate	Generate aircraft option.
FINPUT		Not referenced.
FINTG	File Integrity	File integrity option.
FIRST-KEY	Same	Number placed in "START-KEY" telling where to start reading the master file.
FLIST	Same	No list option.
FLS	First Loadable Station	The first loadable station in the aircraft being loaded.
FLS9	Same	"FLS" redefined.
FLUSH-PASS	Same	Remove passengers from aircraft if the load has been changed.
FMATE	Same	Key to set mate - no mate option.
FORCE-SPECIAL-LOAD	Same	Under certain conditions finalizes the loading of a partially filled aircraft.
FORM-NUMBER	Same	Page number on printout.
FORWARD-X	Same	Forward end of cargo to be loaded used in setting cargo into proper area on aircraft cargo deck.
FPLAN	Same	"No diagnostic" option set.
FPRI0		Not referenced.
FSAVE		Not referenced.
FST-LDBL-STA	First Loadable Station	Furthest point forward on this aircraft that cargo may be loaded.
FS-FF	Facing	Facing Forward option on listing.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
FS-SH	Special Handle	Special Handling options on printout.
FS-SR	Shoring Required	Shoring required option on printout.
FTELE	Force Telescope	Telescoping option for prime movers and trailers in program.
FWD		Not referenced.
FWD-FUS	Forward Fuselage	Forward fuselage station for items loaded shown on printout.
FWD-HALF	Forward Half	Computed forward half area of aircraft being loaded.
FWD-RAMP	Same	Indicates whether or not the aircraft has a forward ramp. The C5 does, the C130 and C141 do not.
FWD-RAMP-HINGE	Same	Location of forward ramp hinge (if any) on aircraft being loaded.
FWD-STA	Same	Fuselage station locations of forward most extension of cargo items.
GETTIME	Same	Date/time hold area.
Gross	Same	Total weight of items on cargo floor of aircraft.
GROSS-RAMP	Same	Total weight of items on aircraft ramp.
HALF-TIE		Not referenced.
HALF-TIE-X	Same	Spread indicator used in spreading cargo on aircraft floor, X-axis.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
HALF-TIE-Y	Same	Spread indicator used in spreading cargo on aircraft floor, Y-axis.
HEAD-OF-FORM	Same	Head of form message for printout.
HELICOPTERS		Not referenced.
HELI-AC-SUB	Same	Helicopter subscript index.
HELI-AC-TYPE	Same	Type of helicopter.
HELI-ADD-CARGO-IND	Same	Indicates whether or not cargo can be loaded on the aircraft when this helicopter load is utilized.
HELI-AHT	Additional Helicopter Types	Types of helicopters which may be loaded along with the prime helicopter type.
HELI-CGFS		Helicopter center of gravity fuselage station. Used in pre-planned helicopter loads.
HELI-CNT	Helicopter Count	Subscript index for holding helicopters which are being processed.
HELI-CNTR-PK1	Same	Number of helicopters put into first package of two part helicopter load.
HELI-CNTR-PK2	Same	Number of helicopters put into second package of two part helicopter load.
HELI-CNT-PK1	Same	Number of helicopters deleted from master file in first helicopter load.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
HELI-CNT-PK2	Same	Number of helicopters deleted from master file in second helicopter load.
HELI-FFS		Not referenced.
HELI-GROSS	Same	Gross weights of helicopters being loaded on an aircraft.
HELI-ITEMS		Not referenced.
HELI-KEY	Same	Key used in deleting helicopter record from master file.
HLEI-LANES		Not referenced.
HELI-LANES-W		Not referenced.
HELI-LHT	Large Helicopter Types	Number of primary helicopters in pre-packaged load.
HELI-LIT	Same	Used in calling attention to helicopter in printout.
HELI-LOAD	Helicopter Load Field	Helicopters on master file are moved to this field to check for standard helicopter loads.
HELI-LOAD-FILE	Same	File containing all helicopter records.
HELI-LOAD-NO	Same	Number of a particular pre-planned helicopter load.
HELI-LOAD-REC	Same	A specific record in "HALF-LOAD-FILE" containing data on a pre-planned load.
HELI-LOAD-SEQ-NO		Not referenced.
HELI-PACKAGES		Not referenced.
HELI-PASS-WT	Same	Weight of passengers flown with helicopters in a pre-planned load.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
HELI-PAX-LOADED	Same	Number of passengers loaded in a pre-planned load.
HELI-PCG		Not referenced.
HELI-PICK-CNT	Helicopter Pick Count	Controls number of helicopters picked for pre-planned load.
HELI-PICK-REJECT	Same	Indicates whether or not helicopters have been loaded on aircraft.
HELI-PICK-TOTAL	Same	Total number of helicopters picked for possible loading on an aircraft.
HELI-PKG	Same	Contains data on helicopter pre-planned load.
HELI-PKG-FFS	Same	First forward station on aircraft for a pre-planned helicopter load.
HELI-PKG-IN-FRM-RIGHT	Same	Distance in from the right side of aircraft for a helicopter pre-planned load.
HELI-PKG-LENGTH	Same	Length of pre-planned helicopter load.
HELI-PKG-NO	Same	Indicates first or second pre-planned helicopter package.
HELI-PGK-NOM	Same	Not referenced.
HELI-PKG-WEIGHT		Not referenced.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
HELI-PKG-WIDTH	Same	Width of pre-packaged helicopter load.
HELI-PX-PNT		Not referenced.
HELI-PNTR	Helicopter Pointer	Sets helicopter subscripts.
HELI-POINTERS	Same	Overall field for helicopter subscripts.
HELI-P-P	Same	Used (a) to determine if helicopters are on aircraft; (b) to calculate gross and moment.
HELI-QTY-AHT	Additional Helicopter Types	Number of helicopters in additional helicopter type.
HELI-QTY-LHT	Same	Number of helicopters in primary helicopter type.
HELI-REMARKS	Same	Helicopter remarks.
HELI-SCH-1		Not referenced.
HELI-SCH-2		Not referenced.
HELI-SCH-3		Not referenced.
HELI-SCH-4		Not referenced.
HELI-START		Not referenced.
HELI-START-REC		Not referenced.
HELI-SUB	Same	Subscript/index for keeping track of helicopters found in master file.
HELI-TYPE	Same	Type of helicopter.
HELI-TYPES	Same	Contains types of helicopters which the program will load correctly.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
HELI-TYPE-CODES		Not referenced.
HELI-TYPE-REQUIRED	Same	Type of helicopter required for a particular package.
HELI-TYPE-SUB	Same	Helicopter type required for processing.
HELI-WORK-AREAS		Not referenced.
HELI-WT	Helicopter Weight	Helicopter weight.
HH		Not referenced.
HIGH-CLASS	Same	Set to "HIGH-VALUE" when maximum number of master records have been read into storage.
HLD-EQ-LD		Not referenced.
HLD-LOK-FLAG	Hold Location Flag	If an item is loaded on a ramp it is coded "R", if on the deck, "D".
HNOM-KEY	Same	Key for starting the helicopter file.
HOLD-XAREA	Same	Computed total area used in the aircraft being loaded.
HS1		Not referenced.
HS1-CHAR	Same	Characteristics of primary helicopter.
HS1-PKG-NO	Same	Helicopter type 1 package number.
HS2		Not referenced.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
HS2-CHAR	Same	Characteristics of helicopter type #2.
HS3		Not referenced.
HS3-CHAR	Same	Characteristics of helicopter type #3.
HS3-LOAD-NO	Same	Load number for helicopter type #3.
HS4		Not referenced.
HS4-CHAR	Same	Characteristics of helicopter types (print area).
HS4-ITEM1	Same	Helicopter print area.
HS4-ITEM2	Same	Helicopter print area.
HS4-ITEM3	Same	Helicopter print area.
HS4-LIT1	Same	Helicopter print area.
HS4-LIT2	Same	Helicopter print area.
HS4-LIT3	Same	Helicopter print area.
HS4-R	Same	Helicopter print area.
HS4-R1		Not referenced.
HS4-R2	Same	Helicopter print area.
HS4-R3	Same	Helicopter print area.
HTH	Height	Height of cargo item in Master Record.
HTH-C130	Same	Maximum height of cargo that may be loaded in C130 aircraft.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
HTH-C141	Same	Maximum height of cargo that may be loaded in C141 aircraft.
HTH-C5	Same	Maximum height of cargo that may be loaded in C5 aircraft.
HTH-FILO	Same	Maximum height of filler items.
HTH-HOLD		Not referenced.
HWT-HLD	Same	Calculated gross weight of helicopters being loaded.
H-RMK-FLD	Helicopter Remark Field	Field for printing helicopter remarks.
H-RMK-LINE	Helicopter Remark Line	Line for printing helicopter remarks.
H-T-C		Not referenced.
I	Same	Subscript/Index.
INCT-X	Same	Initial value for inches to be shifted on "X" axis in spread routine.
INCT-Y	Same	Initial value for inches to be shifted on "Y" axis in spread routine.
IND	Same	Subscript/Index.
INIT-CUID	Same	Initiates combined unit identification.
INIT-POINT	Same	Sets initial pointer in priority file to get first priority.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
INIT-TOC	Same	Sets pointer to initial "TOCWIU" which is Total Outsized Cargo Within Unit.
INIT-UID	Same	Sets up initial UID for master file consideration.
INTEG-NUMB	Same	Keeps track of unit integrity number, tells which UIDs can be combined.
INX	Same	Subscript/Index.
ITEM-CENTER	Same	Computed center of item being loaded.
ITEM-LENGTH	Same	Computed total length (item length plus tiedown) of item being loaded.
ITEM-LENGTH-JEEP		Not referenced.
ITEM-NO	Same	Number of item in master record.
ITEM-WIDTH	Same	Width of item.
ITERATIONS	Same	Prints as page number.
J	Same	Subscript/Index.
JEEP-WTH	Jeep Width	Holding area for jeep width.
K	Same	Subscript/Index.
KEY-MFB	Same	Sequence of master record/number of item.
KEY-MFN	Same	Indexing key for master file.
KEY-MFR	Same	Sequence of master record/ number of item.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
KOUNT	Count	Several uses, including line count in preparing schematic and subscripted index of EQUIP-LOAD.
L	Same	Subscript/Index/Counter.
LCG	Load Center of Gravity	Balance point of aircraft being loaded with cargo now loaded in it.
LD-FLAG	Same	Indicates if an item is mated, ramp item, or deck item.
LEFT-SHIFT	Same	Sets max left point in Load Pick.
LEFT-Y	Same	Left side of cargo item starts as aircraft width.
LHT-QTY-DEC	Same	Large (primary) helicopter type. Used in deleting helicopter loaded on aircraft.
LIMITS-AREA		Not referenced.
LIMITS-C130		Not referenced.
LIMITS-C141		Not referenced.
LIMITS-C5		Not referenced.
LIMITS-FILL		Not referenced.
LIMITS-HOLD	Same	Utilized to hold the dimensions (limits) of aircraft being loaded.
LIMITS-REDER		Not referenced.
LIMIT-CODES		Not referenced.
LIM-ITS	Same	Sets up title of run in load program.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
LINE1	Same	Line of standard printing for output.
LINE10	Same	Line of standard print for output.
LINE11	Same	Line of standard print for output.
LINE12	Same	Line of standard print for output.
LINE13	Same	Standard print line.
LINE14	Same	Standard print line.
LINE1-N	Same	Standard print line.
LINE1-N-A	Same	Print line.
LINE1-N-B		Not referenced.
LINE2	Same	Standard print line.
LINE3	Same	Standard print line.
LINE4	Same	Standard print line.
LINE5	Same	Standard print line.
LINE6	Same	Standard print line.
LINE7	Same	Standard print line.
LINE8	Same	Standard print line.
LINE9	Same	Standard print line.
LINE-COUNT	Same	Count of lines being printed per page.
LINE-NO	Same	Editing field in print line.
LIST-AREA	Same	Holding area for print line.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
LLS	Last Loadable Station	Final (aft most) point at which cargo can be placed on aircraft being loaded.
LLS9	Last Loadable Station	Same as LLS.
LNCNT	Same	Maximum lines to be printed on one page.
LOADED	Same	Receiving print field for number of aircraft loaded.
LOADED-FLAG	Same	Indicates if an item which has been loaded is a helicopter or a passenger.
LOADING-METHOD	Same	Indicates if equipment, passengers, or pallets are to be loaded.
LOADING-RECORD		Not referenced.
LOAD-FLAG	Same	Used to indicate an item in EQUIP-LOAD that is already loaded.
LOAD-IND	Same	Indicates whether or not an item has been loaded on board an aircraft.
LOAD-NUM	Same	Number of a helicopter package loaded on aircraft.
LOAD-NUM-LIT	Load Number Literal	Places "LOAD #" on helicopter print line.
LOAD-PLAN-HOLD	Same	Holding area for equipment tentatively selected for loading on aircraft under consideration.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
LOD-FLAG	Same	Used to indicate whether or not an item has been loaded, and what type of equipment it is.
LOFT	Same	Used to indicate whether or not the aircraft being loaded has a loft. If it has a loft, it is a C141.
LOKATION	Location	Holding area for location of cargo tentatively loaded on aircraft under consideration.
LOK-FLAG	Same	Indicates if the item being loaded is a helicopter or is to be loaded facing forward.
LOW-CLASS	Same	Low limit on class of cargo to be considered during LOAD-PICK.
LST-LDBL-STA	Same	Same as LLS.
LTD		Not referenced.
LTH	Same	Length of cargo item.
LTH-C130		Not referenced.
LTH-C141		Not referenced.
LTH-C5		Not referenced.
LTH-FILL		Not referenced.
LTH-HOLD		Not referenced.
L-AFT	Load AFT	Places "AFT" on print line.
L-FWD	Load FORWARD	Places "FWD" on print line.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
M	Same	Subscript/Index.
MANIFEST-PASS		Not referenced.
MASTER-EOF	Same	Flag to indicate when cargo in MASTER-FILE is exhausted.
MASTER-FILE	Same	File containing all cargo data.
MASTER-RECORD	Same	Individual cargo item information.
MAX-AFT	Same	Rear end of cargo item being placed on aircraft.
MAX-FWD	Same	Forward end of cargo item being loaded on aircraft.
MAX-LEFT	Same	Items distance from the left hand side of an aircraft.
MAX-NO-ITEMS	Same	The maximum number of cargo items which can be loaded on a particular aircraft.
MAX-PALLETS	Same	Maximum number of pallets which can be loaded on any given aircraft.
MAX-PASS-GO	Same	Maximum number of passengers which can be loaded on any given aircraft.
MFN-C	Same	Computational holding area for MFN.
MISSION		Not referenced.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
MIX-C130	Same	Number of C130 aircraft to be generated per C141 when generate option utilized.
MIX-C141	Same	Number of C141 aircraft to be generated per C130 when generate option utilized.
MIX-C5		Not referenced.
MIX-FILL		Not referenced.
MIX-HOLD		Not referenced.
MM		Not referenced.
MOD-PLCG	Modified Planning Center of Gravity	Used in fitting possible load combination in aircraft position and balance area.
MOMENT	Same	Product of "ARM" (inches from reference datum point) times "WT" (weight of the cargo item) expressed in inch-pounds.
MOST-AFT	Same	Aft end of rear most cargo item.
MOST-AFT-X		Not referenced.
MOST-FWD	Same	Most forward end of most forward cargo item.
MOST-FWD-X		Not referenced.
MSG1	Same	Standard print line.
MSG2	Same	Standard print line.
N	Same	Subscript/Index.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
NAME	Same	Passenger name in master record.
NAME-C	Same	Receiving area for name in standard print line.
NEW-LINE		Not referenced.
NEW-START-KEY	Same	Set key for starting the master file on the correct record.
NEXT-MODEL		Not utilized.
NOMENCLATURE	Same	Description of cargo item in MASTER FILE.
NOMEN-1	Same	Area used in printing nomenclature on print file.
NOMEN-2	Same	Area used in printing nomenclature on print file.
NO-AC	Aircraft Number	Control for direct indexing of aircraft data.
NO-COPIES	Same	Number of copies of each page to be printed.
NO-C130	Same	Number of C130 aircraft remaining to be loaded.
NO-C141	Same	Number of C141 aircraft remaining to be loaded.
NO-C5	Same	Number of C5 aircraft remaining to be loaded.
NO-EQUIP	Same	Number of cargo items selected for a particular aircraft.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
NO-ITEMS	Same	Number of cargo items loaded on an aircraft.
NO-ITER	Same	Counter/indicator used in balancing aircraft.
NO-LOADED	Same	Number of cargo items selected and potentially loaded on an aircraft.
NO-PALLETS	Same	Number of pallets tentatively selected for loading on an aircraft.
NO-PASS	Same	Number of passengers tentatively selected for loading on an aircraft.
NO-PLANE	Same	Chalk number of aircraft if computed.
NO-PR	Number of Priority	Priority of unit being loaded.
NO-RAILS	Same	Number of rails on which pallets may be loaded. The C5 has 2, the C130 and C141 have 1 each.
NO-REQ-PASS	Same	Number of required passengers to fly with cargo assigned to an aircraft.
NUMBER-FORM	Same	Page number on printed listing.
NUMB2		Not referenced.
NUMERIC-EDIT		Not referenced.
N-FST		Not referenced.
N-LST		Not referenced.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
OLF-X	Same	Indicates that a cargo item has been loaded.
ONEQU	Same	Number of cargo items selected for a particular aircraft.
ONLLC	Same	Number of items loaded on aircraft.
OPTION-DATA		Not referenced.
ORIG-PLCG	Same	Original planning center of gravity for the aircraft being loaded.
OUTLINE	Same	Print area.
OUTLINE-AREA	Same	Print area.
OUT-LOADED	Same	Total number of outsized piece of equipment loaded to this point.
OUT-MAX	Same	Total number of outsized equipment items not loaded at this point.
PAFS	Same	Rear most point in the aircraft where passengers may be loaded.
PAGE-NO	Same	Print area for number of pages of listing for one particular aircraft, ex., Page 1 of 3.
PAGE-NO-SWAP	Same	Continues page number from Validate program.
PALET-CG		Not referenced.
PARM-FILE	Same	File used to transmit data generated in Validate program to this program.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
PASS-ALRDY-RD	Same	Condition stating that the passenger file has been accessed at this point.
PASS-BUMP		Not referenced.
PASS-EOF	Same	Indicates that the passenger file has finished reading and that no more available passengers are on hand.
PASS-GO	Same	Maximum passengers that can be loaded on one aircraft.
PASS-INX	Same	Subscript/index used to select required passengers for aircraft.
PASS-KEY	Same	Index to a table of potential passengers.
PASS-LMT	Same	Maximum number of passengers that can be carried by an aircraft when passengers only are loaded on that aircraft.
PASS-LMT-L	Same	Maximum passengers on this aircraft in print area.
PASS-LMT-R	Same	Same as PASS-LMT.
PASS-LOAD	Same	Table of potential passengers for an aircraft.
PASS-LOADED	Same	Total passengers loaded at this time.
PASS-MAX	Same	Total passengers not loaded at this time.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
PASS-OCCURS	Same	Number of passengers placed on aircraft as determined by space available.
PASS-RD-FLG	Same	Signals that the available passenger file has been read.
PASS-WT	Same	Weight of passengers loaded on aircraft.
PASS-DATA--HOLD-AREA		Not referenced.
PAX-FLD	Same	Print area.
PAX-LOADED	Same	Number of passengers loaded on aircraft.
PAX-MAX	Same	Maximum number of passengers which can be loaded on one particular aircraft.
PAX-WT	Same	Maximum weight of passengers that can be placed on an aircraft.
PCG-C130	Same	Planning center of gravity for C130 aircraft.
PCG-C141	Same	Planning center of gravity for C141 aircraft.
PCG-C5	Same	Planning center of gravity for C5 aircraft.
PCG-HOLD		Not referenced.
PDH1	Passenger data holding area #1	Holding area for maximum number of passengers per type of aircraft.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
PDH1N		Not referenced.
PFFS	Print Forward Fuselage Station	Most forward point in an aircraft where passengers may be loaded.
PKG-NUM	Same	Print area for helicopter package number.
PKG-NUM-LIT	Same	Print area for helicopter description.
PK1-LOC	Same	Location of first helicopter package.
PK2-LOC	Same	Location of second helicopter package.
PLANNING-CG	Same	Planning center of gravity for aircraft.
PNO-C130	Same	Number of C130 aircraft to be loaded.
PNO-C141	Same	Number of C141 aircraft to be loaded.
PNO-C5	Same	Number of C5 aircraft to be loaded.
POINTER	Same	Sets up the initial UID priority.
POOP	Same	Sets the I/O option flags for the load program.
PPNO	Same	Sets up number of passengers which should be loaded with equipment.
PRINTER-FILE	Same	File of individual print records.
PRINTER-RECORD	Same	An individual line of print.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
PRINT-LTH	Same	Combined length of materiel items or each item to be printed.
PRIORITIES		Not referenced.
PRIORITY-FILE		Not referenced.
PRIORITY		Not referenced.
PRM-CGC	Same	Planning CG of the item being loaded.
PRMS-1	Same	Sort field (record).
PRMS-2		Not referenced.
PRMS-3		Not referenced.
PRMS-4		Not referenced.
PROB-L1	Same	Print line.
PROB-L2	Same	Print line.
PROB-PHRASE	Same	Print line.
PROB-P1	Same	Print line.
PROB-P2	Same	Print line.
PROB-P3	Same	Print line.
PROB-P4	Same	Print line.
PROB-P5	Same	Print line.
PR-NO		Priority of cargo item within unit.
PR-NO-HOLD		Not referenced.
P-AREA-C130	Area-130	Maximum area in C130 aircraft.
P-AREA-C141	Area-141	Maximum area in C141 aircraft.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
P-AREA-C5	Area-C5	Maximum area in C5 aircraft.
P-C	Pallet Control	Used to determine where a pallet should be loaded on a rail in an aircraft.
P-EQUIP-MAX	Same	Sets total standard size cargo to be loaded.
P-OUT-MAX	Same	Sets up total outsized cargo to be loaded.
Q-C	Comments	Comments area in MASTER-RECORD.
Q-CHLK-NO	Same	Comments area in MASTER-RECORD.
Q-COM	Same	Comments area in MASTER-RECORD.
Q-COMENTS	Same	Not referenced.
RAIL-IND	Same	Sets up number of rails which can be used to carry pallets.
RAIL-LOC	Same	Index to location of rails used to load pallets.
RAIL-Y-LOC	Same	Sets up basic rail location (RAIL-LOC).
RANGE-X	Same	Distance of desired CG from currently computed CG.
RANK	Rank	Passenger rank.
RATIO-C130	Same	Number of C130 aircraft per C141 aircraft.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
RATIO-C141	Same	Number of C141 aircraft per C130.
REFERENCE	Same	Print area.
REST-CTR	Same	Restart counter for reading non-exhausted aircraft file.
RETURN-FLAG	Same	Set if pallets are to be loaded on deck or ramp.
RIGHT-Y	Same	Potential placement of right side of cargo item.
ROW1	Same	Print area.
ROW5	Same	Print area.
ROW6-N	Same	Print area.
RPWT	Same	Number of required passengers.
R-CLK-NO	Same	Used in printing the aircraft number on which the cargo was loaded on the master file.
R-DATA-LINE		Not referenced.
R-DATE-HOLD		Not referenced.
R-FLAG	Same	Loads bumpered passengers on aircraft.
R-PAX-NOT-LOADED	Same	Number of required passengers which should have been loaded on an aircraft but which were not loaded.
SAV-ALW-WT	Same	Total allowable weight for all aircraft of a certain type.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
SAV-CGC	Same	Save the desired CG of the aircraft being loaded.
SAV-INX	Same	Saves INX Subscript.
SAV-X	Same	Saves the amount of x-axis shifted during the cargo spreading routine.
SAV-Y	Same	Saves the amount of y-axis shifted during the cargo spreading routine.
SCGC	Same	Saves the CG in MASTER-RECORD.
SEQUENCE	Same	Print area.
SET-C130	Same	Standard parameter values for C130.
SET-C141	Same	Standard parameter value for C141.
SET-C5	Same	Standard parameters for C5.
SET-DIMENSIONS-AC	Same	Parameter set for aircraft being loaded.
SET-IO-FLAGS	Same	Option data set.
SHIFT	Same	Number of inches cargo may be moved to bring the aircraft load into CG limits.
SHIFT-FLAG	Same	Signals program to shift or not to shift cargo.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
SHIFT-LEFT	Same	Holding area for nomenclature during shift.
SHIFT-X	Same	Inches shifted on "X" axis.
SHIFT-Y	Same	Inches shifted on "Y" axis.
SIZE-CODE	Same	Code indicating the required aircraft size in MASTER-RECORD.
SPACE-LEFT	Same	Computed available space to the left of cargo item being loaded on aircraft.
SPECIAL-LOAD-CTR	Same	Emergency escape from a partially balanced load configuration.
SPEC-HAND	Same	"Special Handling" required indicator.
SR-FF-SH-LINE	Same	Print area.
SS		Not referenced.
SSAN	SSN	Social security number.
START-KEY	Same	Key for maintaining position of MASTER-RECORD.
START-KEY-HOLD	Same	Holds the value of START-KEY.
STATISTICS-AREA		Not referenced.
STATISTICS-REF		Not referenced.
STATS		Not referenced.
STAT-SUB1	Same	Statistical print area.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
STAT-SUB2	Same	Statistical print area.
STAT-SUB3	Same	Statistical print area.
STAT-TITLE	Same	Statistical print area.
STAT-VALUES		Not referenced.
SUB1	Same	Subscript/index used in helicopter routines.
SUB2	Same	Subscript/index used in helicopter routines.
SUB-MASTER-RECORD	Same	Subsection of MASTER-RECORD.
S-FS-FILLER	Same	Print area.
TALL-ITEM	Same	Location holder utilized in determining deck placement of cargo items.
TALL-POINTER	Same	Subscript/Index.
TCOCW	Same	Total outsized cargo in all units.
TEMP	Same	Holding value used in developing print schematic.
TEMP4	Same	Determines how potential cargo is selected for loading.
TEMP-GROSS	Same	Used in computing CG for C5 aircraft, and in computing maximum load for all aircraft.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
TEMP-MOMENT	Same	Temporary calculation of MOMENT value used in arranging aircraft loading.
TEMP-TIE	Same	Holding area used in spreading center load.
TEMP-WORK	Same	Holding area used for a variety of reasons from determining number of aircraft on hand to computing work area.
TEMP-WRK	Same	Temporary value for length of item being loaded.
TIE		Not referenced.
TIE-X	Same	Distance between items on X axis.
TIE-Y	Same	Distance between items on Y axis.
TIME-AREA	Same	Print out area for time data.
TOCWIU	Same	Total outsized cargo for all units.
TOLER	Same	Maximum variance from center of gravity of aircraft being loaded expressed in inches.
T1-29	Same	Print out area for user title.
T30-58	Same	Print out area for user title.
T59-72	Same	Print out area for user title.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
UID	Same	Unit identification in priority field.
USER-TITLE	Same	User title for print out.
VAR-HEIGHTS	Same	Indicator that the aircraft being loaded is a C5 and that its side may slope inwards at the top.
VRN	Same	Vehicle registration information.
VRN-HOLD	Same	Holding area for VRN.
VRN-TEMP	Same	Holding area for VRN.
WEIGHT	Same	Print out area for weight.
WT	Same	Weight of item in MASTER-RECORD.
WTH	Same	Width of item in MASTER-RECORD.
WTH-C130	Same	Maximum width of an item that will go into a C130 aircraft.
WTH-C141	Same	Maximum width of an item that will go into a C141 aircraft.
WTH-C5	Same	Maximum width of an item that will go into a C5 aircraft.
WTH-FILL		Not referenced.
WTH-HOLD		Not referenced.
WT-C130		Not referenced.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
WT-C141		Not referenced.
WT-C5		Not referenced.
WT-FILL		Not referenced.
WT-HOLD		Not referenced.
W-HELI-START		Not referenced.
W-HELI-START-AC-TYPE		Not referenced.
W-HELI-START-KEY	Same	Helicopter start keys for determining helicopter load configuration.
W-HELI-START-1	Same	Start key for primary helicopter.
W-HELI-START-2	Same	Start key for secondary helicopter.
W-HELI-START-3	Same	Start key for tertiary helicopter.
W-H-S		Not referenced.
XAREA	Computed Area	Computes area of items being loaded on aircraft.
XCODE	Same	Identifies type of cargo by categories.
XOMENT	Same	Print out area for moment.
XPLUS		Not referenced.
X-AFT	Same	Rear location of cargo on X axis.
X-AXIS	Same	Computes the amount of item shifting being done on the longitudinal axis of aircraft.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
X-FORWARD	Same	Most forward position of cargo on x axis.
X-ROOM	Same	Most forward end of item being loaded.
Y-AXIS	Same	Computes the amount of item shifting being done on the lateral axis of an aircraft.
Y-LEFT	Same	Left most point of items being loaded on aircraft.
Y-LEFT-INX	Same	Final placement of left side of item being loaded.
Y-RIGHT	Same	Right most point of item being loaded on aircraft.
Y-RIGHT-INX	Same	Final placement of right side of item being loaded.
Z	Same	Index/Subscript.

## CHAPTER 4

### AIR MOVEMENT PLANNING SYSTEM HELICOPTER STANDARD LOAD PROGRAM (HELI-MAINT)

4-1. PURPOSE. The purpose of the Helicopter Standard Load Program is to build and maintain the AMPS Helicopter Standard "Type Load" Table File. In addition, the program generates an edited transaction listing and a formatted dump of the "Type Load" Table File.

#### 4-2. INPUT DATA DESCRIPTION.

a. Card-Trans-File--a card file which contains transaction used to update and/or build the "Type Load" Table File.

b. Old-Mstr--this is the Helicopter "Type Load" Table File which is to be updated by transactions from the Card-Trans File. The existence of this file is not necessary for the initial build of the Helicopter "Type Load" Table File, i.e., when "New Build" is specified on the first card of the Card-Trans File.

#### 4-3. INTERNAL FILES.

a. Disk-File--this is a temporary file created within the program to hold the updated Helicopter "Type Load" Table File until it is written to a new master file called "New-Mstr."

b. Srt-File--this is the file used to sort the card-trans file.

#### 4-4. PROGRAM OUTPUT.

a. New-Mstr--the updated or critical version of the Helicopter "Type Load" Table File.

b. "Type Load" transactions edit listing.

c. Helicopter Load List--a formatted listing of the Helicopter "Type Load" Table File.

4-5. NARRATIVE DESCRIPTION. This program reads the Card-Trans File and from the initial "read," determines the type of processing requested for this run. The conditions used to determine the type of request are:

a. If "End of File" is encountered on the final "read" of the Card-Trans File, the existing Master File is formatted and printed, and the program terminates.

b. If the first record on the Card-Trans File contains the literal "New Build," the run is requested to create a new or initial version of the Helicopter "Type Load" Table File. At this point, the Card-Trans File is sorted in Load-Number and card-sequence. This is done to allow sequential creation of the New-Mstr. After sorting, each sorted record is edited and each complete Load Plan (1 to 4 sort records) is edited. If the Load Plan contains no edit errors, it is written to a temporary file generated within the program to hold the Master File. If edit errors are encountered on any one Load Plan, the appropriate errors are printed and that Load Plan is not put on the Master File. After the sorted Card-Trans File has been processed, and the temporary Master File (Disk File) has been created, processing proceeds to the section to write the New-Mstr to a permanent file called New-Mstr. In this section, the temporary file, created from the sorted Card-Trans File, is written to the permanent file (New-Mstr) and a listing of the Helicopter "Type Load" Table File is produced. Following the preceeding event, new processing terminates.

c. If the first record on the Card-Trans File is a valid update transaction, the requested run is to take the existing Master File (Old-Mstr) and create an updated version of the Master File using valid transactions from the Card-Trans File. From here, the Card-Trans File is sorted in Load Number and Card Sequence. This allows for both sequential creation of the updated Master File and sequential processing of the existing Master File. After sorting, each sorted Card-Trans record and each Load Plan (1 to 4 sorted records) are edited. If no edit errors are encountered, the record must be matched against the Old-Mstr. This matching criteria is: (a) If this Load Plan action code is "A" (Add), it must not be on the Old-Mstr; (b) If this Load Plan action is a "D" or "R" (Delete or Replace), a matching record must be on the Old-Mstr. If valid through the edit and the matching against the Old-Mstr, the new Load Plan is written to the temporary file called Disk-File. After the Disk-File has been created, processing proceeds to the section called "Write New-Mstr." In this section, the temporary file (Disk-File) is written to the permanent file (New-Mstr) and a printed listing of the Helicopter "Type Load" Table File is produced. At this point, processing terminates.

d. A utility disk-to-tape program, HELIDUMP, is executed after the creation or updating of the "Type Load" Table File. This utility program will copy the New-Mstr File from disk-to-tape for storage until needed.



#### 4-6. HELICOPTER GLOSSARY.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
ALTERN	Alternate	Used to replace record.
ALT1	Alternate 1	Subscript of ALTERN.
AWT	Allowable weight	
BUF	Buffer	Temporary storage area for various data items.
BUFR	Buffer	Redefines BUF.
B1	Buffer 1	
B1-ACTION-CODE		This defines what action the load plan is to take. Must be A (add), D (delete), or R (replace).
B1-AC-TYPE	Aircraft to be loaded	Must be 1 (C-5), 3 (C-141), or 5 (C-130).
B1-ADD-CARGO		This denotes whether or not to add cargo with this load.
B1-AHT	Additional helicopter type	Must be 1 (CH), 3 (UH), 5 (AH), 7 (OHS), or 9 (OH6).
B1-AHT-CNT	AHT counter	Counts AHT.
B1-ALT	B1 - Alternate	Storage area.
B1-CARD-SEQ	Card sequence number	Must be 1.
B1-FFS	Forward fuselage station	
B1-INCH-FRM-RT	Inches from right of aircraft	



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
B1-LENGTH	Length of package	
B1-LHT	Large helicopter type	Must be 1 (CH), 3 (C-141), 5 (C-130), 7 (OHS), or 9 (OH6).
B1-LHT-CNT	LHT counter	
B1-LOAD		Load redefines B1-LOAD-NO.
B1-LOAD-NO	Load number	
B1-LOAD-SEQ-NO	Load sequence number	
B1-NO-CARDS	Number of cards in load plan	Must be 1-4.
B1-PKGS	Package	Occurs 2 times.
B1-PKG-NO	Package number	Must be 1 or 2.
B1-QTY-AHT	Quantity of additional helicopter type	Must be less than 16.
B1QTY-LHT	Quantity of large helicopter type	Must be less than 16.
B1-REMARKS		Comments about load plan.
B1-WEIGHT		Weight of package.
B1-WIDTH		Width of package.
B2	Buffer 2	Temporary storage for data items.
B2-ALT	B2 - Alternate	Storage area.
B2-HELICOPTERS		Storage area.
B3	Buffer 3	Storage area.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
B3-ALT	B3 - Alternate	Storage area.
B3-HELICOPTERS		Information concerning helicopter storage area.
B4	Buffer 4	Storage area.
B4-ALT	B4 - Alternate	
B4-HELICOPTERS		
B-AC-TYPE	Aircraft type to be loaded	Must be 1 (C-5), 3 (C-141), Or 5 (C-130).
B-CARD-SEQ	Card sequence number	Must be 1.
B-CHOP		Occurs 7 times.
B-CPTRS	Helicopters	Information about helicopter.
B-HELICOPTERS	Helicopters	Information about helicopter.
B-HEL-CGFS	Helicopter center of gravity fuselage station	Storage area.
B-HEL-FFS	Helicopter forward fuselage station	Forward station location of forward most extension of cargo item.
B-HEL-PKG-NO	Helicopter package number	Must be 1 or 2 only.
B-HEL-TYPE	Helicopter type	
B-HLCPTRS		Storage location.
B-LHT	Large helicopter type	Must be 1 (CH), 3 (UH), 5 (AH), 7 (OH5), or 9 (OH6).
B-LOAD-NO	Load number	Assigned load number.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
CARD-CNT	Card counter	
CARD-TRANS	Card transactions	File used to update old master or build new master from scratch.
CNT	Count	
CNTR	Counter	
CNTRL-KEY	Control key	Key used to build master file or print old master file.
CNT-LINE	Count line	Used to count lines of print.
CRD-REC	Card record	Data record of CARD-TRANS.
DELETE-LINE		Used to delete record.
DET1-CC	Detail 1 carriage control	Carriage control.
DET-AC-TYPE		Type of aircraft.
DET-ADD-CARGO		Prints old master record being deleted or replaced.
DET-AHT	Detail additional helicopter type	
DET-CC		Carriage control.
DET-FFS	Detail forward fuselage station	Numeric
DET-HELI-NO	Detail helicopter number	Type of helicopter.
DET-HEL-CGFS	Detail helicopter center of gravity fuselage station	

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
DET-HEL-FFS	Detail helicopter forward fuselage station	Fuselage station location of forward most extension of cargo item.
DET-HEL-PKG-NO	Detail helicopter package number	
DET-HEL-TYPE		
DET-INCH-FROM-RIGHT		
DET-LENGTH		Length of one cargo item for aircraft.
DET-LHT	Large helicopter type	Print line for type of helicopter.
DET-LOAD-SEQ	Load sequence	Print line for load sequence.
DET-QTY-AHT	Quantity of additional helicopter type	Print line for quantity of AHT.
DET-QTY-LHT	Quantity of large helicopter type	Print line for quantity LHT.
DET-REMARKS		Comments about the load plan.
DET-WEIGHT		Weight of package.
DET-WIDTH		Width of package.
DISK-FILE		Temporary file built to hold the updated master until it is written to the new master.
DISK-REC		Data record in disk file.
D2-HELI		Part of disk file.
D3-HELI		Part of disk file.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
D4-HELI		Part of disk file.
D-AC-TYPE		Type of aircraft.
D-ADD-CARGO		Prints old master record being deleted or replaced.
D-AHT	Additional helicopter type	Must be 1 (CH), 3 (UH), 5 (AH), 7 (OH5), or 9 (OH6).
D-FFS	Forward fuselage station	Part of disk file.
D-HEL-CGFS	Helicopter center of gravity fuselage station	Print information.
D-HEL-FFS	Helicopter forward fuselage station	Print information.
D-HEL-PKG-NO	Helicopter package number	Print information.
D-HEL-TYPE	Helicopter type	Print information.
D-HLCPTRS	Helicopters	Information about helicopters.
D-INV-F-RT	Inches from right	Number of inches from right of aircraft where package is set.
D-LENGTH		Length of cargo item.
D-LHT	Large helicopter type	Print information.
D-LOAD-NO	Load number	
D-LOAD-SEQ-NO	Load sequence number	
D-PKGS	Package	Part of disk file information.



<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
D-QTY-AHT	Quantity of additional helicopters	Print line for AHT.
D-QTY-LHT	Quantity of large helicopter type	Print line for LHT.
D-REMARKS		Remarks about load plan.
D-WEIGHT		Weight of package.
D-WIDTH		Width of package.
EC-DATE		Report heading date info.
EC-DATE-LINE		Report heading data info.
EC-LINE		Report heading data info.
END-SW	End switch	Switch used to signal end of a file.
EOF	End of file	Data name used to signal end of file.
ERROR-SW	Error switch	Used to print various error messages.
ERR-SW	Error switch	A subscript used to print correct error message.
ES-LINE	Error switch line	Used to print error message.
ES-LINES	Error switch line	Used to print error message.
E1-ACTION CODE		This denotes what action this load plan is to take: A (add), D (delete), or R (replace).

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
E1-AC-TYPE		Aircraft to be loaded. Must be 1 (C-5), 3 (C-141), or 5 (C-130).
E2-AHT	Additional helicopter type	Error print information.
E1-CARD-SEQ	Card sequence	Error print information.
E1-FFS	Forward fuselage station	Error print information.
E1-INCH-F-RT	Inches from right of aircraft	Error print information.
E1-LENGTH		Error print information.
E1-LHT	Large helicopter type	
E1-LINE		Error print information.
E1-LOAD-NO		Error print information.
E1-NO-CARDS	Numbers of cards	Error print information.
E1-QTY-AHT	Quantity of additional helicopters	Error print information.
E1-QTY-LHT	Quantity of large helicopter types	
E1-WEIGHT		Error print weight of package.
E1-WIDTH		Error print width of package.
E-HEL-PKG-NO	Helicopter package number	Error print information.
E-HEL-TYPE	Helicopter type	Error print information.
E-HLCPTRS	Helicopters	Error print information.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
E-LINE		Error print information.
E-LINES		Error print information.
FFS	Forward fuselage station	Fuselage station location of forward most extension of cargo items.
HDR-SW	Header switch	Switch used to ensure printing of whole transaction on same page.
HELI-CNT	Helicopter count	Counts number of helicopters.
HELI-TYPE	Helicopter - Type	Gives different types of helicopters.
HELT	Helicopter - Type	77 Level for type of helicopter.
HEL-CNT	Helicopter - Count	77 Level for number of helicopters.
HLD-AC-TYPE	Hold aircraft type	77 Level for aircraft type.
HLD-DATE	Hold date	77 Level for date information.
HLD-HEL	Hold helicopter	77 Level for helicopter information.
HLD-REMARKS	Hold remarks	77 Level for remarks.
HLD-234	Hold 234	Information used in editing a set.
HLL-BLANK-LINE		132 position. Print line.
HLL-DET1		Print line.
HLL-DET2		Print line.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
HLL-1	Helicopter load list	Print line paragraph name.
HLL-2		Print line paragraph name.
HLL-3		Print line paragraph name.
HLL-4		Print line paragraph name.
HLL-5		Print line paragraph name.
HLL-6		Print line paragraph name.
HLL-7		Print line paragraph name.
HLS-TYP	Helicopter load type	Print line for location code.
LAST-BUF	Last buffer	Buffer area for print information.
LGTH	Length	Length of package.
LINE-CNT	Line counter	Counts line of print to insure proper spacing of O/P.
LOC1		Helicopter type load table print information.
LOC2		Helicopter type load table print information.
LOC3		Helicopter type load table print information.
LOC-CODE	Location code	Data on location in aircraft of items in Loading-Record.
MAX	Maximum	Counter set to 1, 2, or 3. Used to check old master record.
MAXIM	Maximum	Counter used to hold added weights of packages.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
NEW-MSTR	New master	Name of Helicopter Type Load Table.
NEW-MSTR-REC	New master record	Data record in NEW-MSTR.
NO-COPYS	Numbers of copies	Holding register for number of copies.
NUM-CK	Number check	Checks all numeric fields on Type 1 card for numeric data.
N-DN	Numeric data name	Print field for numeric data.
N-LOAD-SEQ	Numeric load sequence	Load sequence number.
OLD-MSTR	Old Master	I/P file to program.
OLD-MSTR-REC	Old master record	Data record of FD OLD-MASTR.
O-AC-TYPE	Old aircraft type	Must be 1 (C-5), 3 (C-141), or 5 (C-130).
O-ADD-CARGO	Old add cargo	Denotes whether or not to add cargo with this load. Blank (don't add cargo), A (add fill cargo), B (add "130" cargo or smaller), C (add "141" cargo or smaller), D (add "C-5" cargo or smaller).
O-AHT	Old additional helicopter type	Must be 1 (CH), 3 (UH), 5 (AH), 7 (OH5), or 9 (OH6).
O-FFS	Old forward fuselage station	Fuselage station location of forward most extension of cargo item.

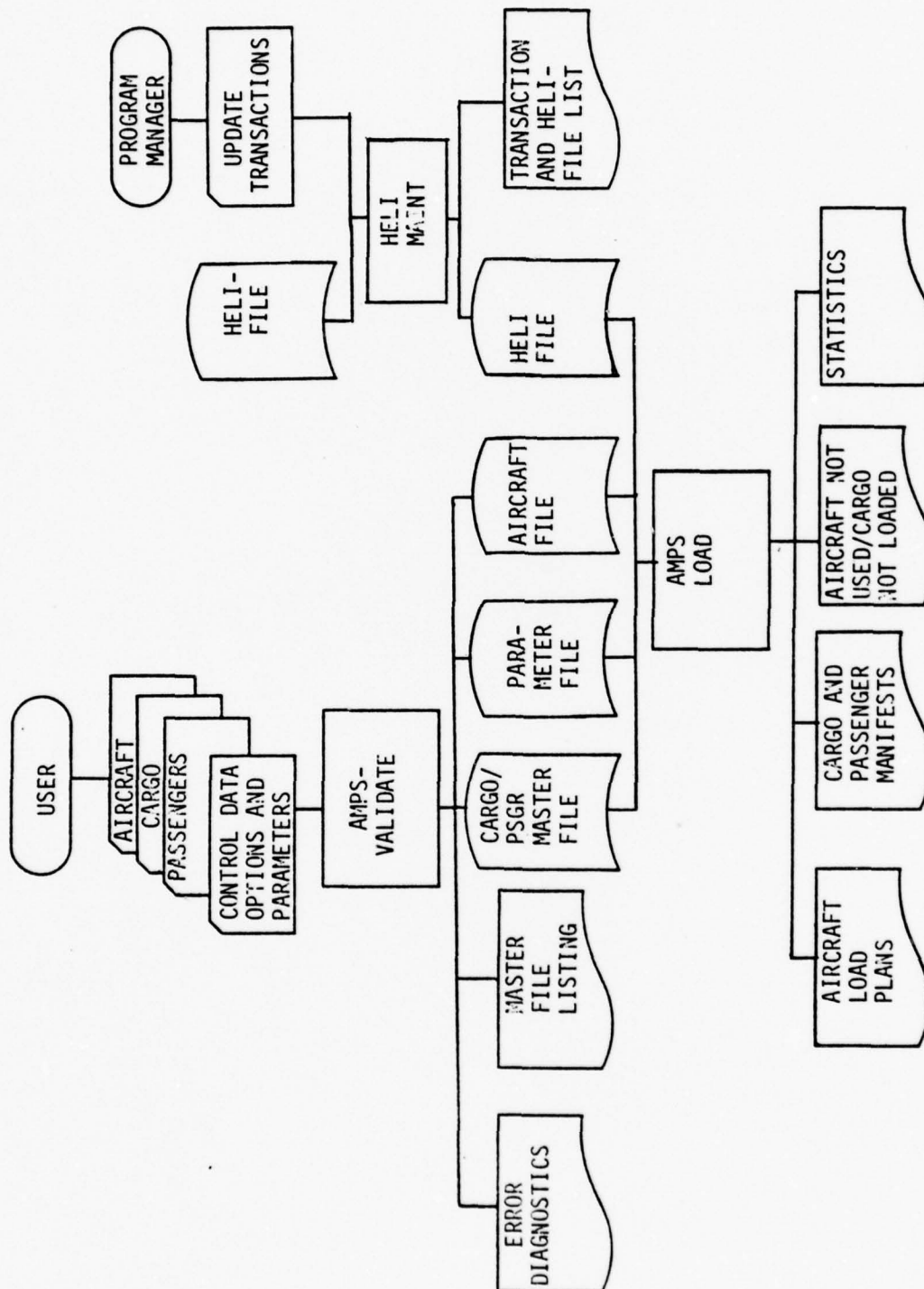


<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
O-HEL-CGFS	Old helicopter center of gravity fuselage station	Descriptive data.
O-HEL-FFS	Old helicopter forward fuselage station	Descriptive data.
O-HEL-PKG-NO	Old helicopter package number	Descriptive data.
O-HEL-TYPE	Old helicopter type	Descriptive data.
O-HELICOPTER	Old helicopter	Information about helicopter.
O-INCH-FRM-RT	Old inches from right	Inches from right of aircraft.
O-LENGTH	Old length	Length of package.
O-LHT	Old large helicopter type	Must be 1 (CH), 3 (C-141), 5 (C-130), 7 (OH5), or 9 (OH6).
O-LOAD-NO	Old load number	
O-LOAD-SEQ-NO	Old load sequence number	
O-QTY-AHT	Old quantity additional helicopter type	Must be 1 (CH), 3 (UH), 5 (AH), 7 (OH5), or 9 (OH6).
O-WEIGHT	Old weight	Weight of package.
O-WIDTH	Old width	Width of package.
PG-CNT	Page counter	Index for page count.
PG-NUM2	Page number 2	Prints page number.
PRT	Print	132 position print line for Prt-File.
PRT-CC	Print carriage control	Carriage control for print line.

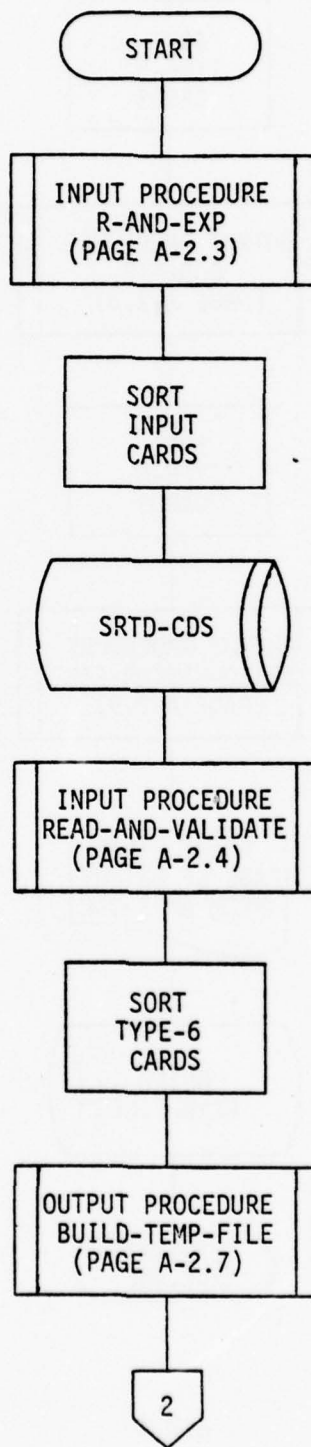
<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
PRT-DATA	Print data	132 position print line.
PRT-FILE	Print file	I/O file which prints all messages and reports.
QH	Quantity of helicopters	Register for accumulating number of helicopters.
REPLACE-LINE		Used to print replace line message.
REST		Used to print location code 1, 2, and 3.
SRT-FILE	Sort file	This file sorts the card trans-file in load number and card sequence order.
SRT-REC	Sort-Record	Data record in SRT-file.
SUB	Subtotal	A counter which is added to in processing the updated transactions.
SUB1	Subtotal 1	Counter used in sequence checking the type 2, 3, and 4 cards.
SW	Switch	A switch which is set to 1 to determine if PRT-RTN or write NEW-MSTR is to be performed.
SWITCHER		Switch used to move SRT-REC to buffer area.
SYM-KEY		Switch used to move SRT-REC to buffer area.
SYS-DT	System date	Used to print system date on O/P.

<u>Data Name</u>	<u>Translation</u>	<u>Meaning</u>
S-CARD-SEQ	Sorted card sequence	Part of identifying sort key.
S-LOAD-NO	Sorted load number	Part of identifying sort key.
TYP-AC	Type action code	Must be A (add), D (delete), or R (replace).
WID	Width	Width of package in AC-Info.
W-NO-COPYS	WRITE - Number copies	Used to determine number of copies of report to be printed.

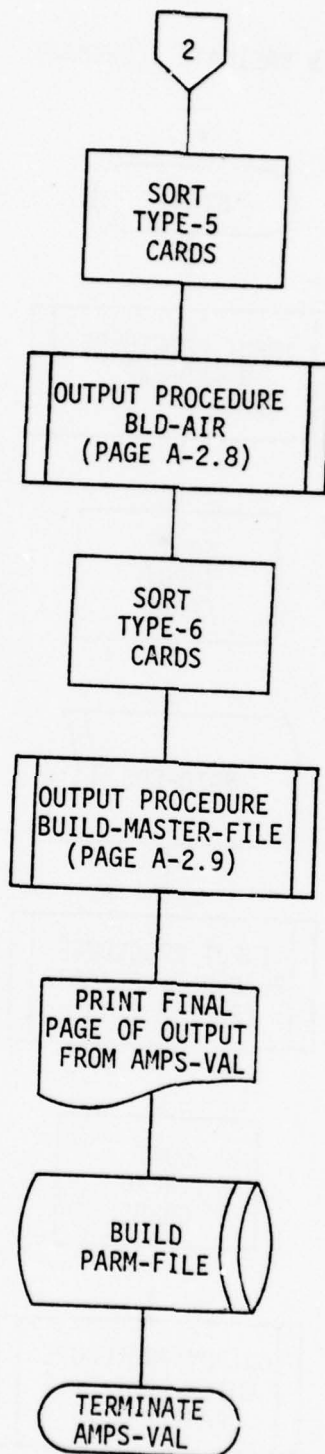
# SYSTEM OVERVIEW FLOW CHART



AMPS VALIDATE FLOWCHART

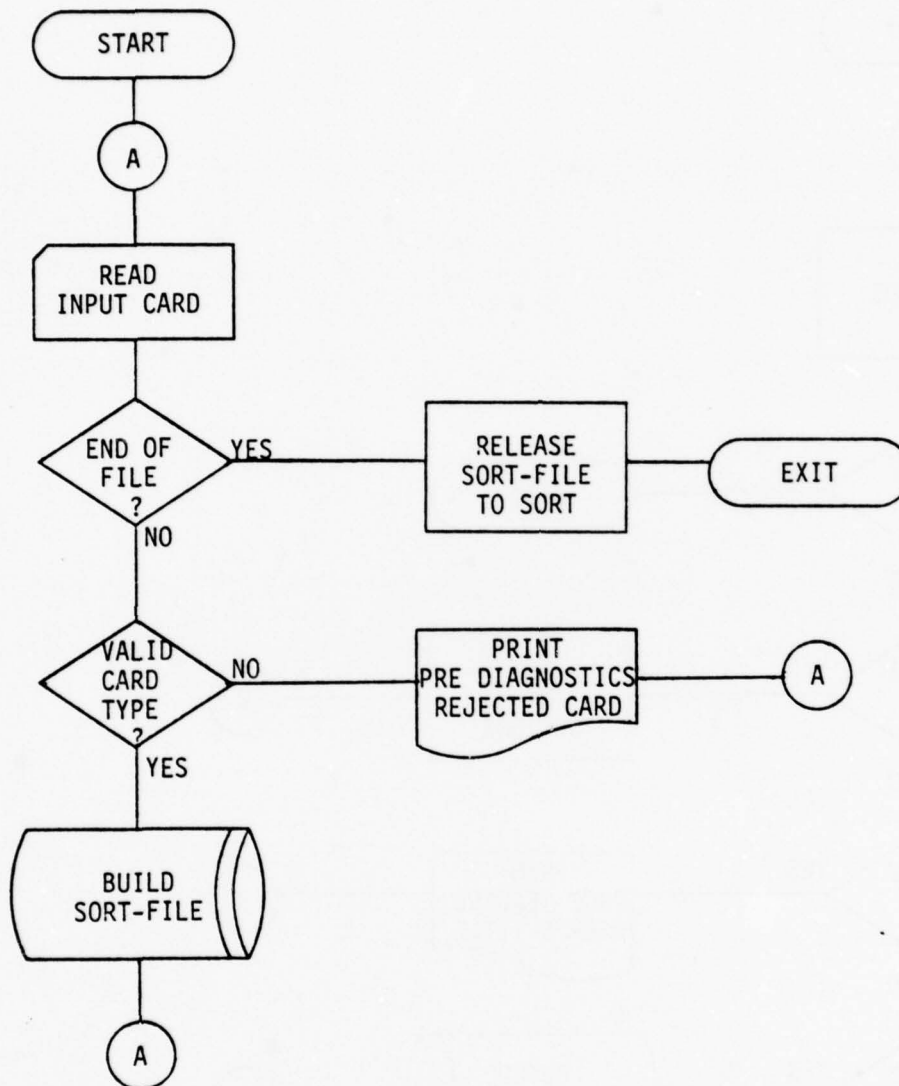






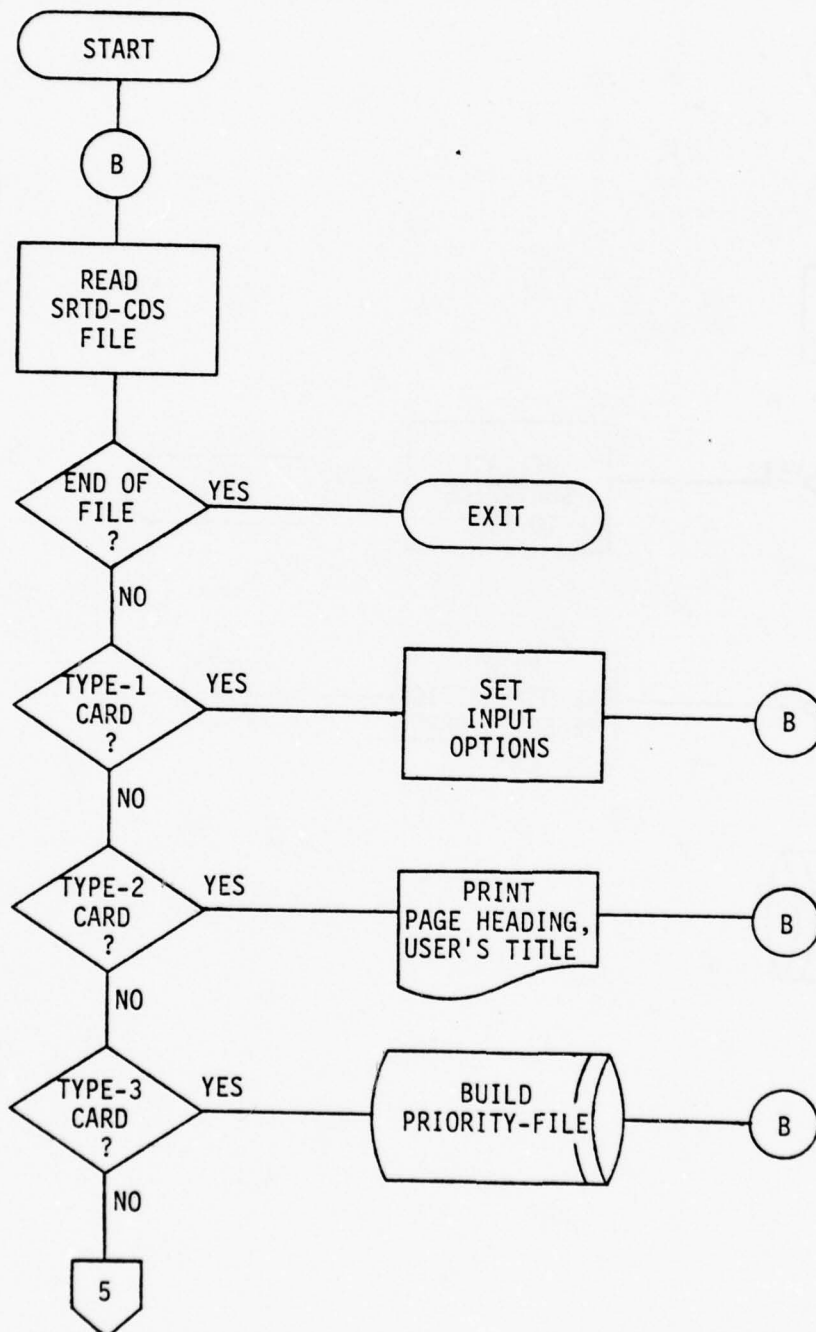
FROM PAGE A-2.1

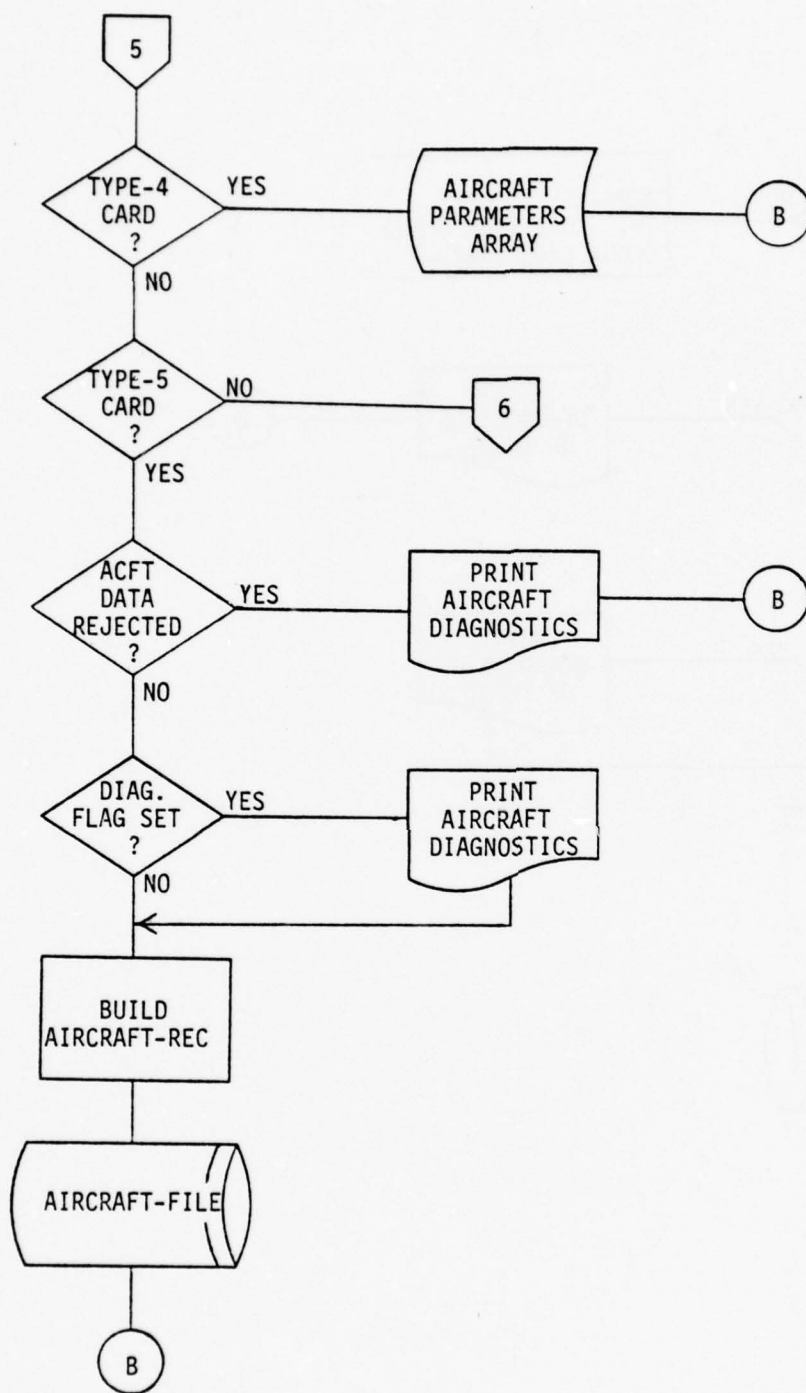
\*  
INPUT PROCEDURE  
R-AND-EXP

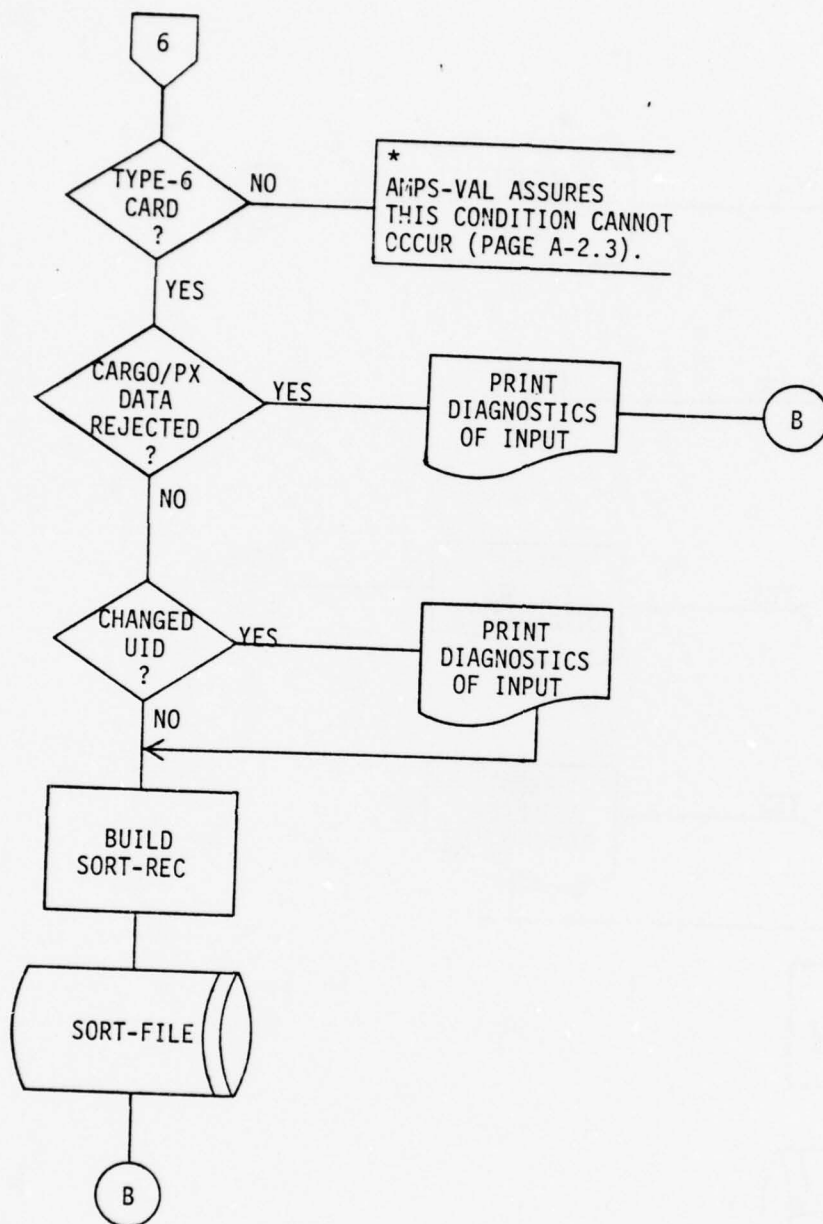


FROM PAGE A-2.1

\*  
INPUT PROCEDURE  
READ-AND-VALIDATE



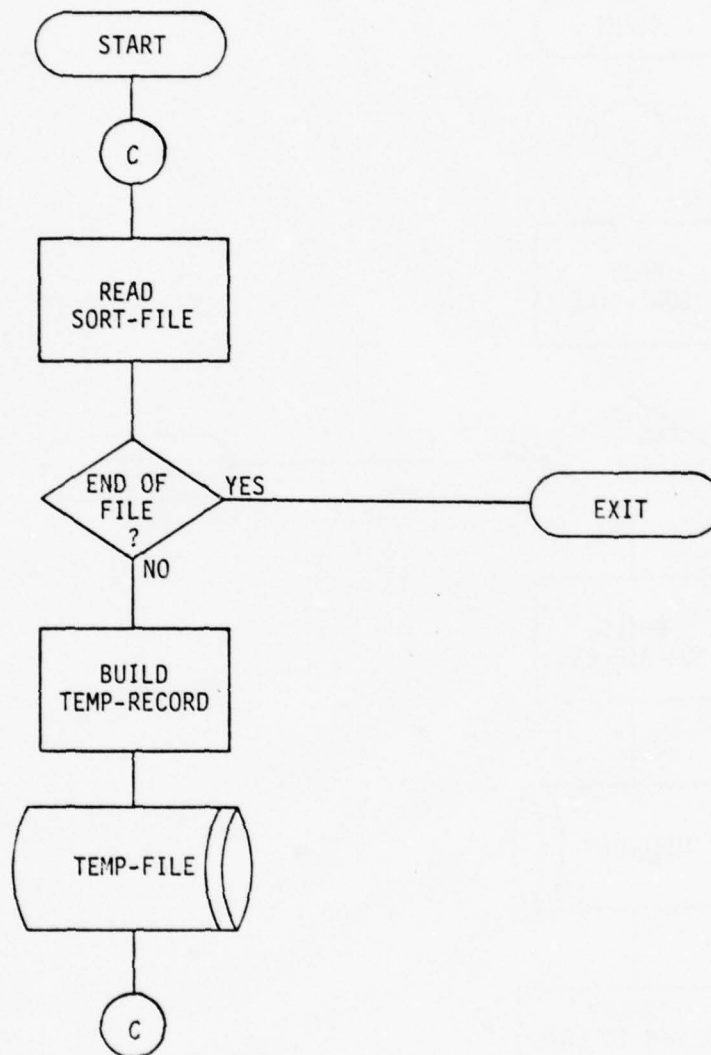






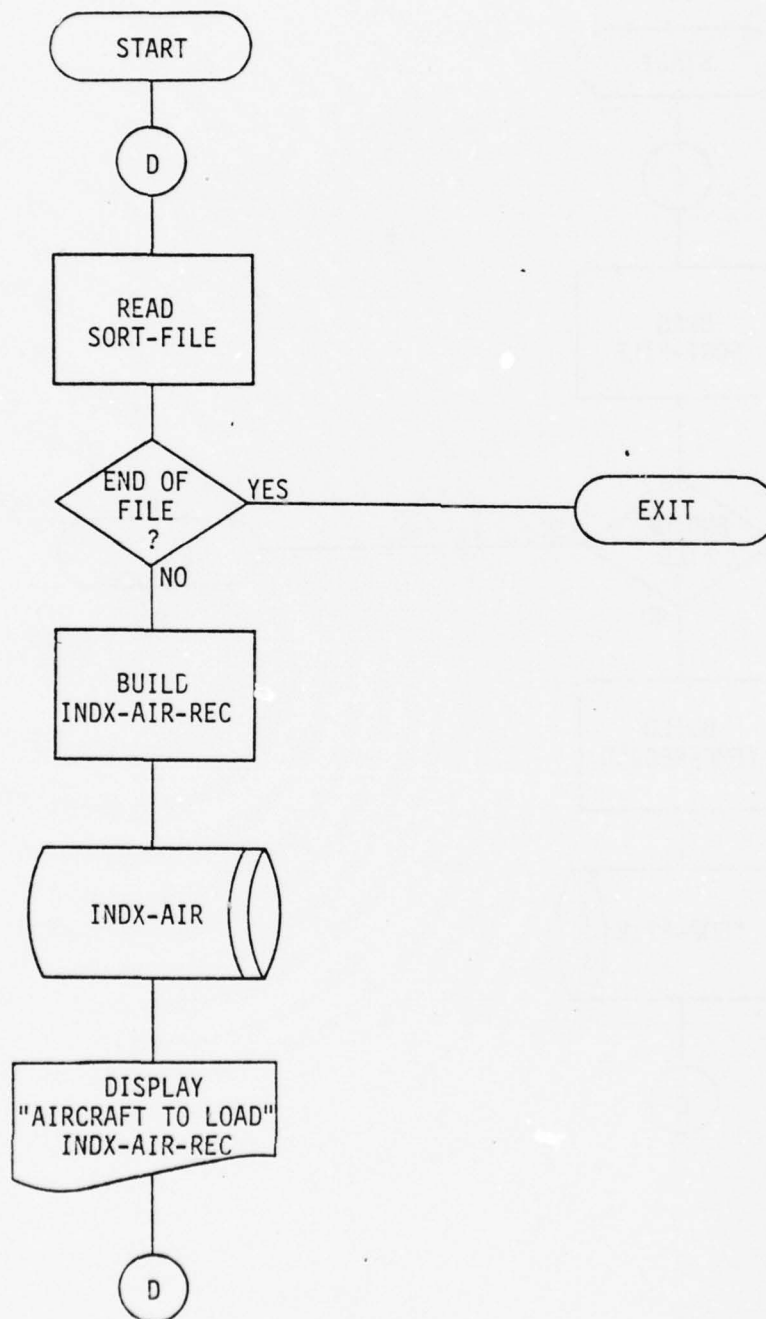
FROM PAGE A-2.1

★  
OUTPUT PROCEDURE  
BUILD-TEMP-FILE



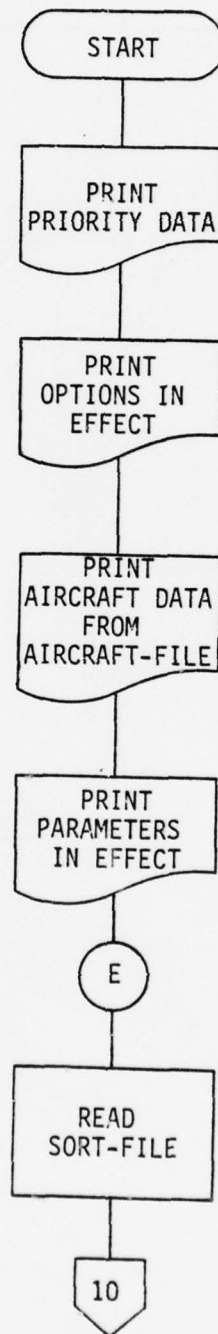
FROM PAGE A-2.2

\*  
OUTPUT PROCEDURE  
BLD-AIR

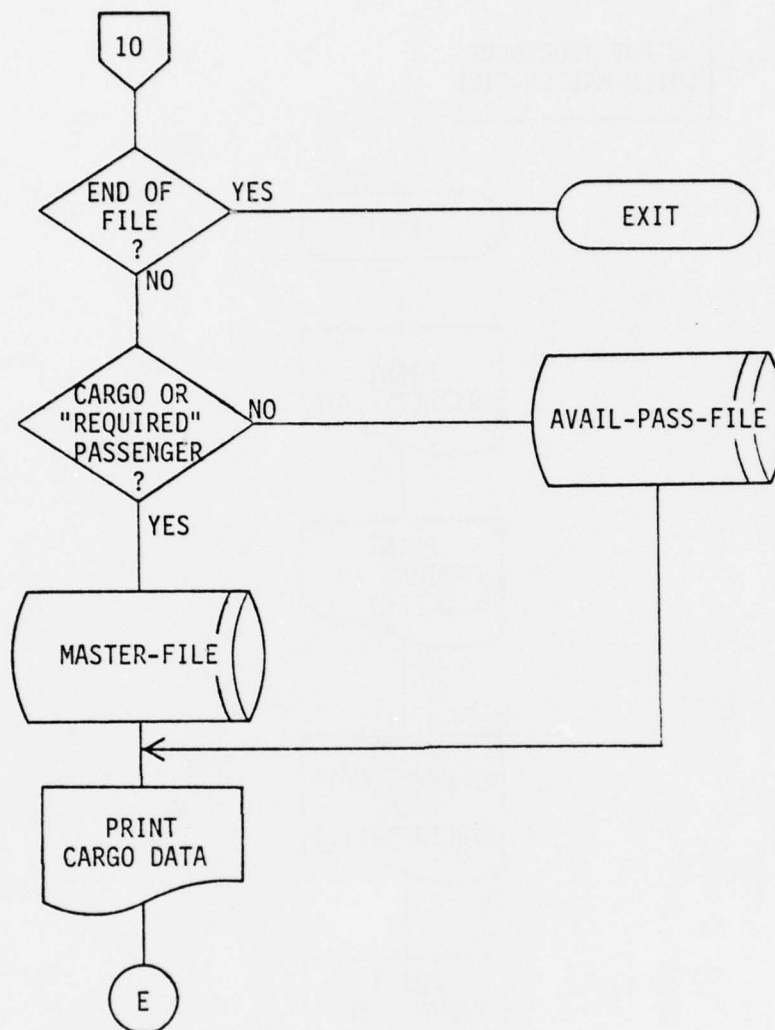


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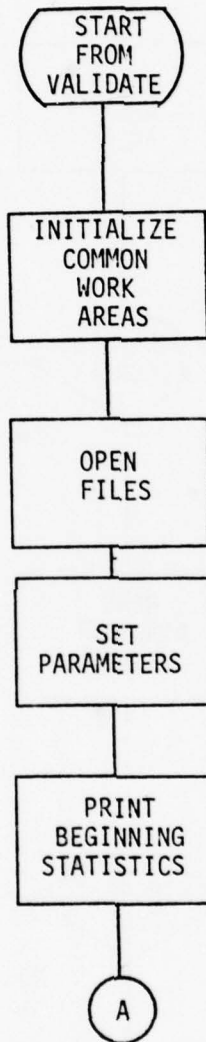
\*  
OUTPUT PROCEDURE  
BUILD-MASTER-FILE



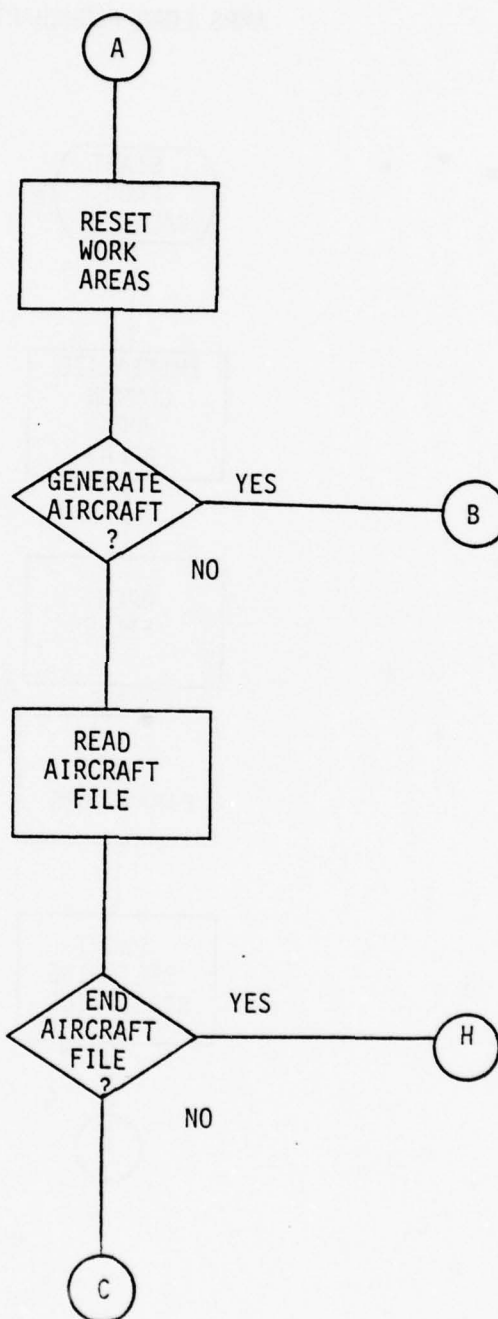
A-2.9

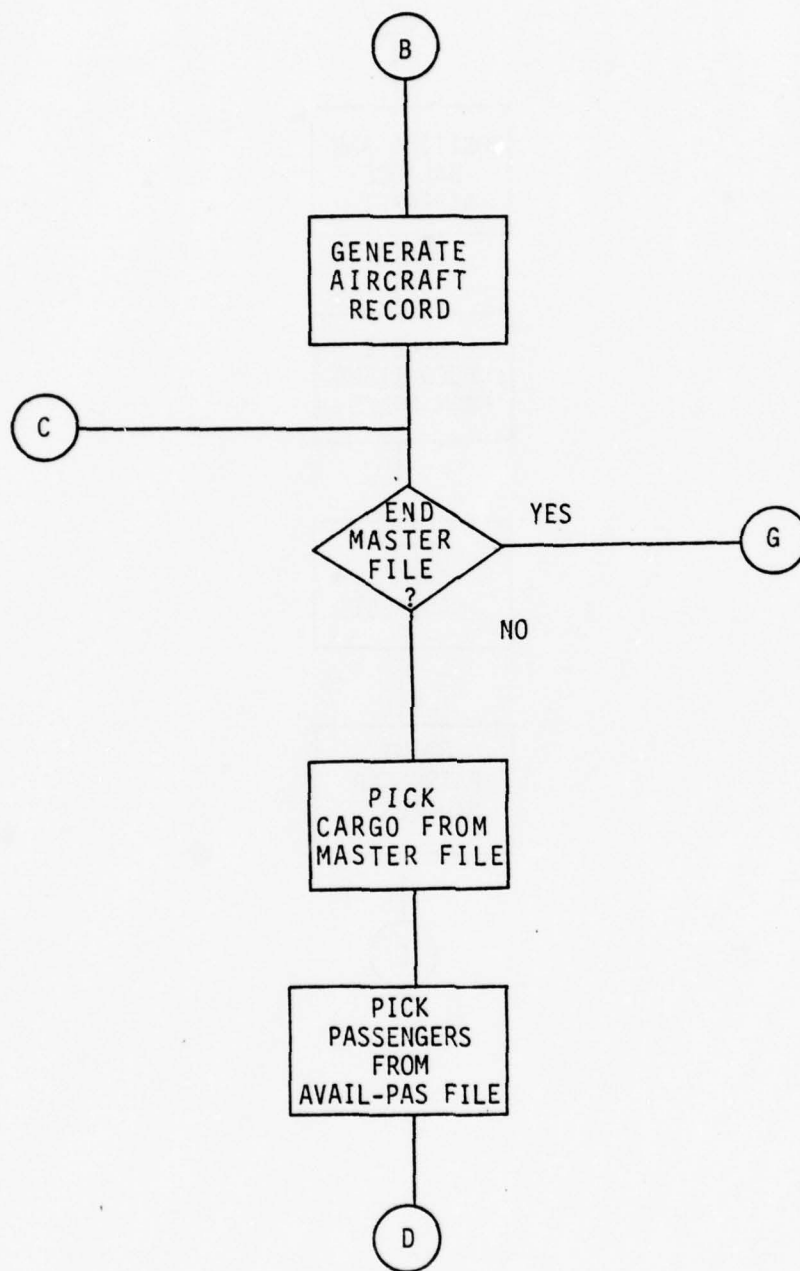


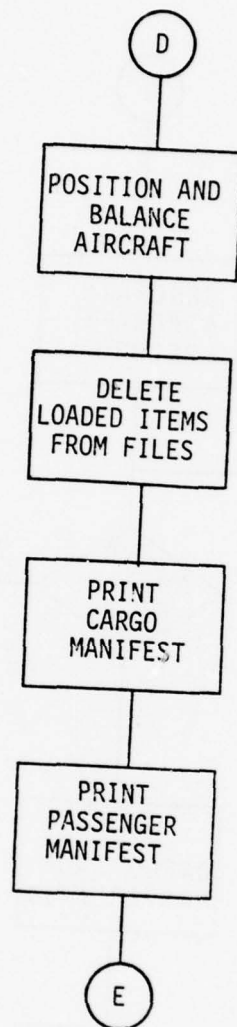
# AMPS LOAD FLOWCHART

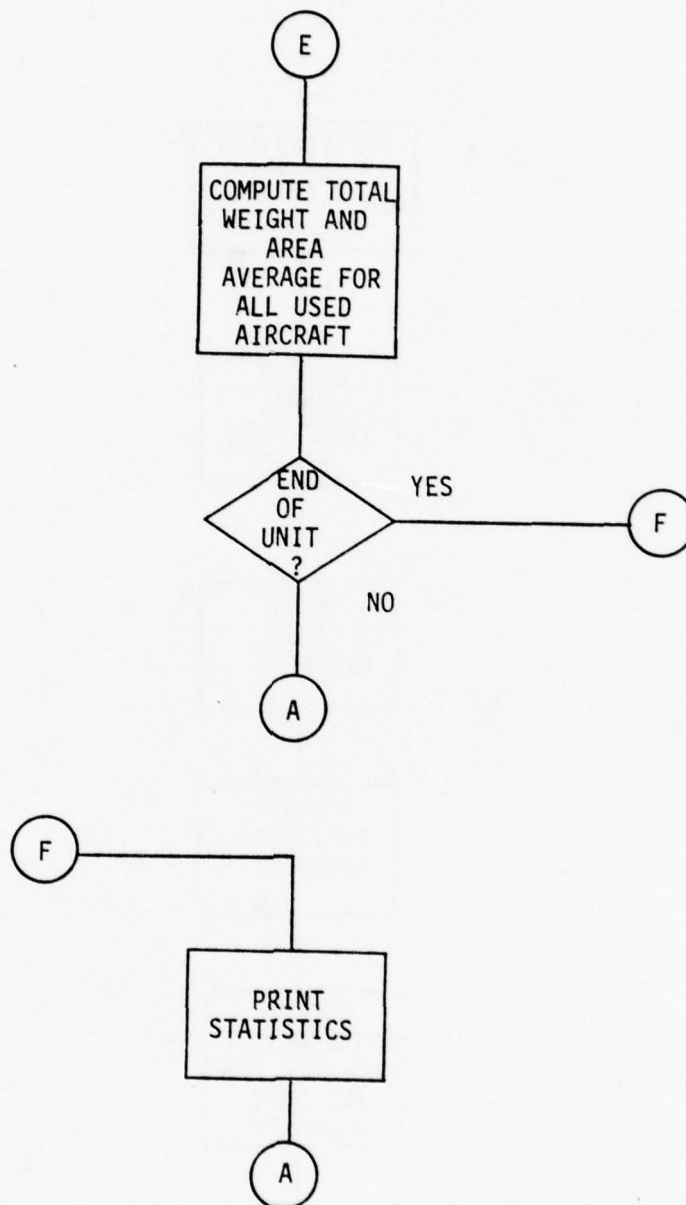






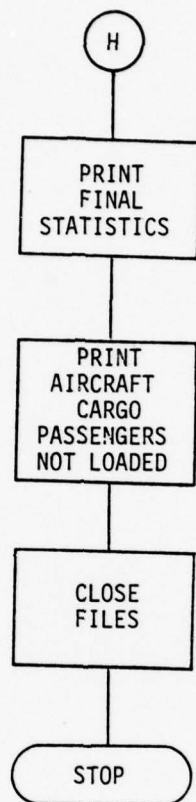




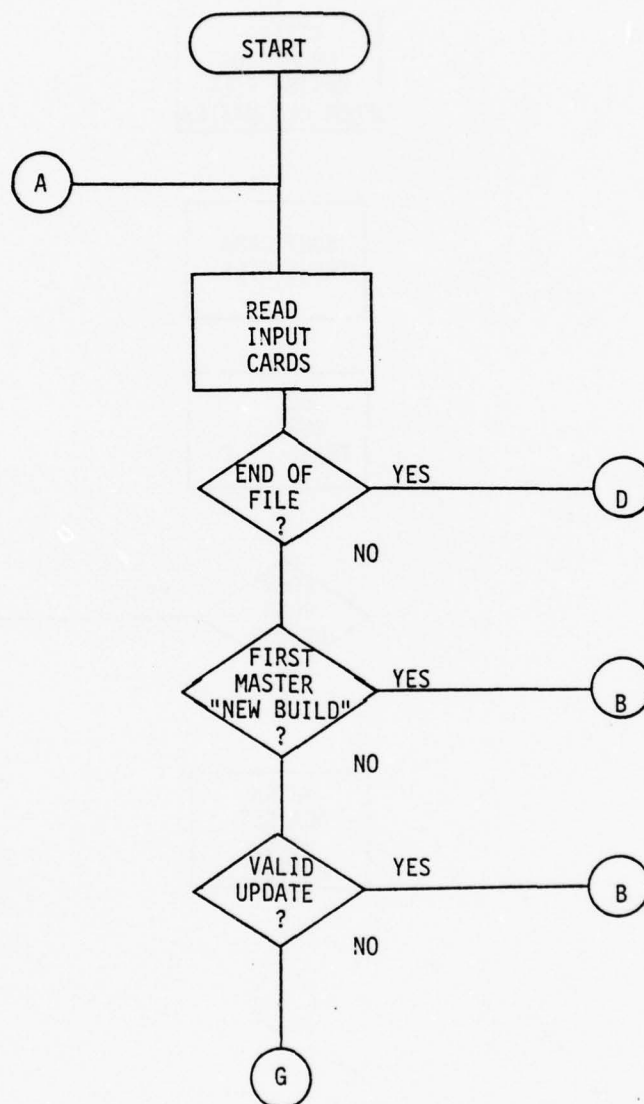


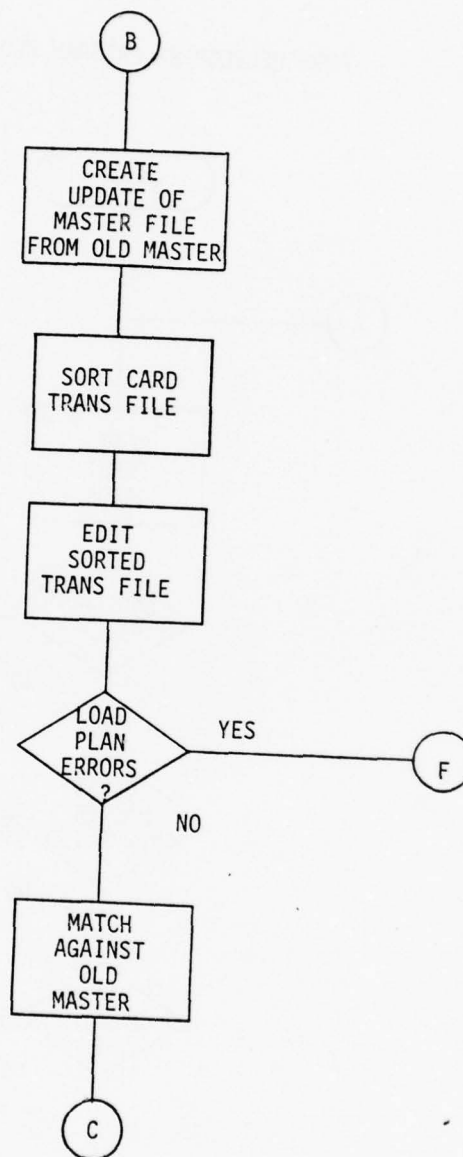


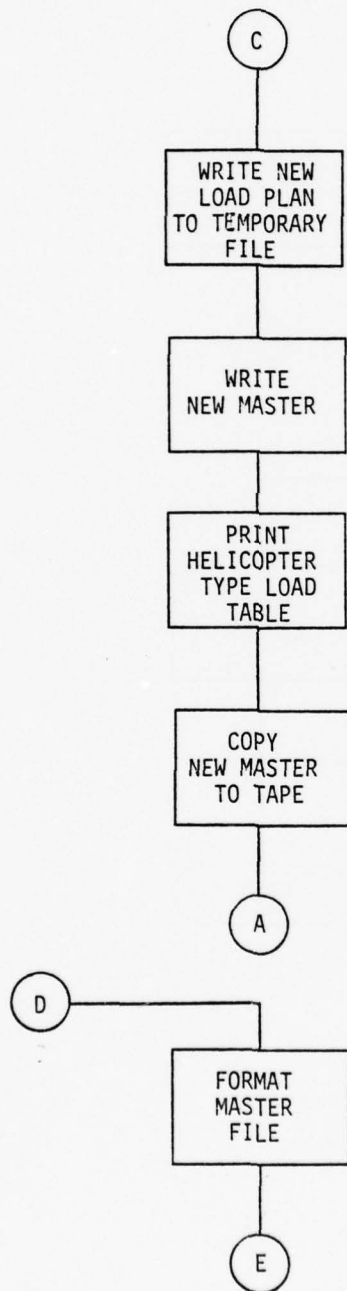


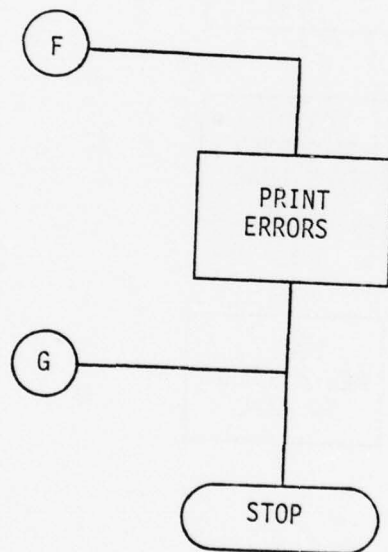
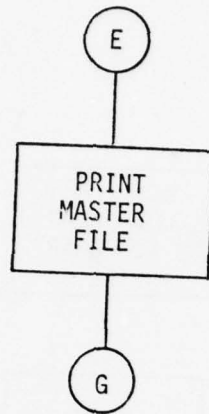


## AMPS HELICOPTER PROGRAM FLOWCHART











## APPENDIX B

### INSTRUCTIONS FOR PLACING AMPS ON A CDC 6000 SERIES COMPUTER

Three things are necessary for the successful implementation of AMPS on a different computer system. They are: (1) a program tape generated at the Data Processing Field Office (DPFO), Ft Leavenworth, Kansas; (2) a card deck which may be obtained from the Logistics Center, Ft Lee, Virginia; and (3) a computer output listing which is also available from the Logistics Center.

a. Program Tape. This tape contains all of the source programs, job control language (JCL), and data needed to operate the AMPS program on a CDC 6000 computer system.

b. Card Deck. This deck is a JCL deck used to set up the files necessary for AMPS runs, catalog and compile AMPS source programs, catalog AMPS object programs, and execute bench mark tests.

c. Computer Output Listing. This listing shows the systems analyst the way in which the PROGRAM TAPE was created. It describes the manner in which the programs were compiled, updated, and cataloged, as well as the manner in which the object programs should be executed. An example of exactly how the program tape and the card deck should be set up and run to result in a satisfactory AMPS system installation on the computer is also presented.

# APPENDIX C

## AIR MOVEMENT PLANNING SYSTEM LOGIC LIMITATIONS AND CONSTRAINTS

### C-1. AIRCRAFT CHARACTERISTICS (DEFAULT VALUES).

		<u>C-5</u>	<u>C-141</u>	<u>C-130</u>	<u>Fill</u>
Max Item:	Lth	999	400	300	200
	Wth	228	122	122	73
	HT	156	107	107	76
	WT	140,000	40,000	30,000	7,500
ACL	(1) (2)	180,000	50,000	30,000	
Plan C/G	(1) (3)	1,275	900	530	
1st Loadable Sta	(2)	399	452	250	
Front Ramp Hinge		517			
Aft Ramp Hinge		1,971	1,292	737	
Last Loadable Sta	(2)	2,126	1,402	857	
Max Pax - All Pax	(1) (2) No all-pax loads		94	60	
Max Pax - w/Equip	(1) (2)	<u>73</u>	<u>17</u>	<u>17</u>	
Pax Wt					240
Wt Requiring Centerline Loading		50,000	4,600	4,600	

a. Can be changed by control data input, for aircraft type.

b. Can be changed by aircraft data input, for individual aircraft.  
Also, if aircraft data shows comfort pallet installed in C-141, programs will change FLS to 575 and will compute moment of CP.

c. Shifts and computations for balance are based on desired, not planning, C/G, which varies with gross load weight:

<u>C-130 (<math>\pm</math> 25 in)</u>	<u>C-141 (<math>\pm</math> 25 in)</u>	<u>C-5 (<math>\pm</math> 40 in)</u>
530	Under 20,000 lbs 875	Less than 80,000 lbs 1,150
	20 - 60,000 lbs 900	80 - 120,000 lbs 1,240
		120 - 200,000 lbs 1,285
		More than 200,000 lbs 1,310

C-2. DETERMINATION OF PAX SEATS AVAILABLE (SUBJECT TO ACL):

- a. Minimum 2 pax per aircraft, regardless of seat space.
- b. Minimum 30" aisle, over entire length of double seat location.

c. C-141:

- (1) Only side-facing seats considered, except all-pax loads.
- (2) All-pax loads assume 94 aft-facing seats.
- (3) Seats are between 518 and 1,198, in 40-inch, 2-pax intervals, each side, total: 68 seats.
- (4) Pax not assigned to specific seat location, and no computation of moment.

d. C-130:

- (1) Only side-facing seats considered, except all-pax loads.
- (2) Difference in seat locations on right and left sides ignored. Seats both sides considered as beginning at 257 in 40-inch, 2-pax intervals to 457, then one 20-inch, 1-pax interval to 477, then from 617 in 40-inch, 2-pax intervals to 697.
- (3) Pax not assigned to specific seat location and no computation of moment.

e. C-5:

(1) 73 seats in pax compartment considered.

(2) Moment for pax computed as pax-wt x 1,741.

C-3. HELICOPTER STANDARD LOADS.

a. File not complete; contains only sample loads.

b. Where available, loads taken from aircraft T0-9, or constructed from -9 loads. Others added to test/demonstrate usefulness of file.

c. Concept is that all loads will be submitted to HQ MAC for approval before being inserted into file.

d. No load includes more than 2 helicopter types.

e. Unit is responsible for making load diagram available to supporting USAF personnel.

f. Loads based on desired C/G of 1,310. (This may cause problems in balance until loads can be redesigned.)

C-4. C-141 CREW REST FACILITY.

a. Assumed to extend to station 570.

b. No cargo placed forward of 570 if higher than 76"; EXCEPTION: If program is trying to load a vehicle:

(1) If the vehicle has a trailer, the program assumes that the trailer is not higher than 76" and loads trk-tlr facing aft.

(2) If the cargo item is not a trailer, and if not an M561 or M792, the program assumes that the load is not higher than 76" and loads vehicle facing forward.

C-5. 463-L PALLETS.

a. Program tries to load pallet on ramp, unless higher than 76" or unless enough pallets for all-pallet load.

b. Pallets in all-pallet load placed in normal pallet positions. Because of this, input data on pallets edited for 88 x 108 dimensions. Any deviation causes pallet to be redesignated as "Bulk Cargo," and it may be loaded between vehicles.

C-6. TRUCK-TRAILER COMBINATIONS.

a. Program considers mated truck and trailer as either hooked up or telescoped (IAW control data), always aligned fore-and-aft. The program cannot load a trailer beside its prime mover (if mated).

b. Program computes a combined C/G for mated/telescoped truck-trailer combinations, and this combined C/G is used in computing balance. Manual checking for balance using individual item C/G shown on manifest may reveal minor differences in final load C/G, but the load should still be within balance limits.

C-7. PYRAMID LOADING.

a. Program places first item on planning C/G, next item forward, next aft, etc. First item is heaviest in group considered. Subsequent items are same weight or less.

b. As loading progresses, items are shifted for balance or to find space.

c. This logic could get a heavy item outside the floor area of greatest strength.

d. NO consideration is given to:

- (1) Compartment load limits.
- (2) Pounds per linear foot limits.
- (3) PSI, contact area.
- (4) PSF, shadow area.

C-8. C-5 KNEELING CONFIGURATION.

a. Manifest provides an entry for selection of appropriate kneeling configuration.

b. It is expected that during review of the planned load, the supporting USAF loadmaster will circle the appropriate configuration.



C-9. LOADING/TIEDOWN PROBLEMS.

a. AMPS provides an entry in input data for units to indicate items that present problems in loading, unloading or restraint. From this entry, the program prints a remark on the manifest to alert the loadmaster to a possible problem, so that he can check his T0-9.

b. The entry will be required by characteristics of the cargo item. These may cause a problem when loaded on a 141, but not on a C-5. However, the remark will appear in either case.

c. This capability is dependent on units having information on which items should be "flagged." Current plans will provide that information in a revision to FM 55-12/AFM 76-4, now in process.

C-10. RAMP LOADS. 463-1 pallets less than 7,500 lbs and not higher than 76" and other cargo items within specs for "filler" (column "Fill" in para a, above) are used for ramp loads, subject to ramp length. No overhang can be computed. Similarly, the program cannot load a vehicle on the cargo floor so that it overhangs the ramp or another vehicle.

C-11. TIEDOWN SPACES.

a. Program provides 6 inches of tiedown space around cargo items other than tracked vehicles.

b. Program provides 40 inches of tiedown spaces forward and aft of tracked vehicles and, on a C-5, 20 inches on each side. On C-141 and C-130, side tiedown space is the remaining acft width, up to 20 inches each side.

c. Thus, when two tracked vehicles are loaded in line, the logic provides 80 inches between them, which space is seldom required for restraint. Review of such loads may, therefore, enable addition of cargo by moving the vehicles closer together.

## APPENDIX D

### SOURCE PROGRAM LISTINGS

This appendix contains a listing of each of the three programs comprising the AIR MOVEMENT PLANNING SYSTEM. These programs can be distinguished from one another by the program name which appears on the left side of the heading of each page. The validate program is titled "VALAMP," the load program is "LDAMP," and the Helicopter Standard Load program is "MAINT." The listings occur in that order. Additionally, page numbers are on the right side of the heading of each page. Each program listing begins with page 1.

00001	000010 IDENTIFICATION DIVISION.	00001VAL	2
00002	000020 PROGRAM-ID. VALAMP.	00002VAL	3
00003	000030 INSTALLATION. GSA HUNTSVILLE.	00003VAL	4
00004	000040 DATE-WRITTEN. MAY 29, 1976.	00004VAL	5
00005	000050 DATE-COMPILED. 11/02/78.	00005VAL	6
00006	000060 SECURITY. UNCLASSIFIED.	00006VAL	7
00007	000070 ENVIRONMENT DIVISION.	00007VAL	8
00008	000080 CONFIGURATION SECTION.	00008VAL	9
00009	000090 SOURCE-COMPUTER. 6500.	00009VAL	10
00010	000100 OBJECT-COMPUTER. 6500.	00010VAL	11
00011	000110 SPECIAL-NAMES.	00011VAL	12
00012	000120 *-1* IS TOP-OF-PAGE.	00012VAL	13
00013	000130 INPUT-OUTPUT SECTION.	00013VAL	14
00014	000140 FILE-CONTROL.	00014VAL	15
00015	000150 SELECT AVAIL-PASS-FILE ASSIGN TO PASSF.	00015VAL	16
00016	000160 SELECT SORT-FILE ASSIGN TO SRT.	00016VAL	17
00017	000170 SELECT PARM-FILE ASSIGN TO PARM.	00017VAL	18
00018	000180 SELECT CD-RD ASSIGN TO CDIN.	00018VAL	19
00019	000190 SELECT SRTO-CDS ASSIGN TO SCH.	00019VAL	20
00020	000200 SELECT TEMP-FILE ASSIGN TO TEMP.	00020VAL	21
00021	000210 SELECT INDX-AIR ASSIGN TO AIR.	00021VAL	22
00022	000220 ORGANIZATION IS INDEXED	00022VAL	23
00023	000230 ACCESS MODE IS RANDOM	00023VAL	24
00024	000240 FILE-LIMIT IS 200	00024VAL	25
00025	000250 SYMBOLIC KEY IS NO-AC.	00025VAL	26
00026	000260 SELECT AIRCRAFT-FILE ASSIGN TO SAIR.	00026VAL	27
00027	000270 SELECT PRINTER-FILE ASSIGN TO OUTPUT.	00027VAL	28
00028	000280 SELECT MASTER-FILE ASSIGN TO MASTER	00028VAL	29
00029	000290 ACCESS MODE IS RANDOM	00029VAL	30
00030	000300 ORGANIZATION IS INDEXED	00030VAL	31
00031	000310 FILE-LIMIT IS 2000	00031VAL	32
00032	000320 SYMBOLIC KEY IS KEY-MFN.	00032VAL	33
00033	000330 I-O-CONTROL.	00033VAL	34
00034	000340 SAME AREA FOR PARM-FILE, SRTO-CDS, MASTER-FILE.	00034VAL	35
00035	000350 SAME AREA FOR CD-RD, TEMP-FILE, AVAIL-PASS-FILE.	00035VAL	36
00036	000360 DATA DIVISION.	00036VAL	37
00037	000370 FILE SECTION.	00037VAL	38
00038	000380 50 SORT-FILE	00038VAL	39
00039	000390 RECORD CONTAINS 87 CHARACTERS	00039VAL	40
00040	000400 DATA RECORDS ARE 51 52.	00040VAL	41
00041	000410 01 51.	00041VAL	42
00042	000420 05 KEY-3 PICTURE X(17).	00042VAL	43
00043	000430 05 FILLER PICTURE X(68).	00043VAL	44
00044	000440 05 KEY-1 PICTURE 9.	00044VAL	45
00045	000450 05 KEY-2 PICTURE 9(4).	00045VAL	46
00046	000460 05 C-51 PICTURE 9(6).	00046VAL	47
00047	000470 05 KEY-4 PICTURE X.	00047VAL	48
00048	000480 01 52.	00048VAL	49
00049	000490 05 NOMENCLATURE.	00049VAL	50
00050	000500 07 NIMEN-RNK PIC XXX.	00050VAL	51
00051	000510 07 NIMEN-PRIME PIC X(17).	00051VAL	52
00052	000520 05 VRN-S.	00052VAL	53
00053	000530 10 PR-ND PICTURE S99.	00053VAL	54
00054	000540 10 RUMP-ND PICTURE X(6).	00054VAL	55
00055	000550 05 SIZE-CODE-S PICTURE X.	00055VAL	56
00056	000560 05 COMMENTS-S.	00056VAL	57
00057	000570 07 COMM-NIMEN PIC X(6).	00057VAL	58

00058	000580	07 CONN-SH	PIC X(9).	00058VAL	59
00059	000590	05 XCODE-S	PICTURE S99.	00059VAL	60
00060	000600	05 SSAN-S.		00060VAL	61
00061	000610	07 FILLER	PIC X(6).	00061VAL	62
00062	000620	07 SSAN-TR-OV	PIC XXX.	00062VAL	63
00063	000630	05 SSAN-S9 REDEFINES SSAN-S	PICTURE 9(9).	00063VAL	64
00064	000640	05 WT-S	PICTURE S9(6).	00064VAL	65
00065	000650	05 LTH-S	PICTURE S9(4).	00065VAL	66
00066	000660	05 WTH-S	PICTURE S9(3).	00066VAL	67
00067	000670	05 HTH-S	PICTURE S9(3).	00067VAL	68
00068	000680	05 CGC-S	PICTURE S9(3).	00068VAL	69
00069	000690	05 PRIORITY	PICTURE S9(5).	00069VAL	70
00070	000700	05 FILLER	PICTURE X.	00070VAL	71
00071	000710	05 C-S2	PICTURE 9(6).	00071VAL	72
00072	000720	05 FILLER	PICTURE X.	00072VAL	73
00073	000730 01	53.		00073VAL	74
00074	000740	05 SRT-AIR-REC.		00074VAL	75
00075	000750	07 AM-KEY	PICTURE X(6).	00075VAL	76
00076	000760	07 FILLER	PICTURE X(56).	00076VAL	77
00077	000770	05 ACFT-PRI	PICTURE 99.	00077VAL	78
00078	000780	05 ACFT-CODE	PICTURE X.	00078VAL	79
00079	000790	05 FILLER	PICTURE X(2).	00079VAL	80
00080	000800	05 AVAIL-PASS-FILE		00080VAL	81
00081	000810	05 LABEL RECORDS ARE OMITTED		00081VAL	82
00082	000820*			00082VAL	83
00083	000830*			00083VAL	84
00084	000840*			00084VAL	85
00085	000850	RECORD CONTAINS 82 CHARACTERS		00085VAL	86
00086	000860*	BLOCK CONTAINS 15 RECORDS		00086VAL	87
00087	000870	DATA RECORD IS AVAIL-PASS-REC.		00087VAL	88
00088	000880 01	AVAIL-PASS-REC	PICTURE X(82).	00088VAL	89
00089	000890	05 PARM-FILE		00089VAL	90
00090	000900	05 LABEL RECORDS ARE OMITTED		00090VAL	91
00091	000910*			00091VAL	92
00092	000920*			00092VAL	93
00093	000930*			00093VAL	94
00094	000940	RECORD CONTAINS 32 CHARACTERS		00094VAL	95
00095	000950*	BLOCK CONTAINS 30 RECORDS		00095VAL	96
00096	000960	DATA RECORDS ARE PRMS-1.		00096VAL	97
00097	000970 01	PRMS-1.		00097VAL	98
00098	000980	05 LIM-ITS	PICTURE X(32).	00098VAL	99
00099	000990 01	PRMS-2.		00099VAL	100
00100	001000	05 INIT-UID	PIC X(7).	00100VAL	101
00101	001010	05 INIT-TDC	PIC 9(8).	00101VAL	102
00102	001020	05 INIT-POINT	PIC 9(3).	00102VAL	103
00103	001030	05 FILLER	PIC X(14).	00103VAL	104
00104	001040 01	PRMS-3.		00104VAL	105
00105	001050	05 PRM-100PTS.		00105VAL	106
00106	001060	10 P-FLAGS	PICTURE X(8).	00106VAL	107
00107	001070	10 P-COPIES	PICTURE S9(4).	00107VAL	108
00108	001080	10 P-LNCMT	PICTURE S9(4).	00108VAL	109
00109	001090	05 PNO-C5	PIC 9(3).	00109VAL	110
00110	001100	05 PNO-C141	PIC 9(3).	00110VAL	111
00111	001110	05 PNO-C130	PIC 9(3).	00111VAL	112
00112	001120	05 FIRST-KEY	PIC 9(7).	00112VAL	113
00113	001130 01	PRMS-4.		00113VAL	114
00114	001140	05 P-AREA-C5	PICTURE 9(6).	00114VAL	115



00115	001150	05 P-AREA-C141	PICTURE 9161.	00115VAL	116
00116	001160	05 P-AREA-C130	PICTURE 9161.	00116VAL	117
00117	001170	05 P-EQUIP-MAX	PICTURE 9161.	00117VAL	118
00118	001180	05 P-OUT-MAX	PICTURE 9161.	00118VAL	119
00119	001190	05 FILLER PIC X(31).	PICTURE 9161.	00119VAL	120
00120	001200	FD PRINTER-FILE		00120VAL	121
00121	001210	LABEL RECORDS ARE OMITTED		00121VAL	122
00122	001220	DATA RECORD IS PRINTER-RECORD.		00122VAL	123
00123	001230	01 PRINTER-RECORD.		00123VAL	124
00124	001240	05 CARR-COMT	PICTURE X.	00124VAL	125
00125	001250	05 DATA-LINE	PICTURE X(132).	00125VAL	126
00126	001260	05 R-O-L REDEFINES DATA-LINE.	PICTURE X(132).	00126VAL	127
00127	001270	10 FILLER	PICTURE X(155).	00127VAL	128
00128	001280	10 E-J-MESG	PICTURE X(155).	00128VAL	129
00129	001290	FD AIRCRAFT-FILE	PICTURE X(171).	00129VAL	130
00130	001300	LABEL RECORDS ARE OMITTED		00130VAL	131
00131	001310			00131VAL	132
00132	001320	LABEL RECORDS ARE STANDARD		00132VAL	133
00133	001330			00133VAL	134
00134	001340	RECORD CONTAINS 65 CHARACTERS		00134VAL	135
00135	001350	BLOCK CONTAINS 15 RECORDS		00135VAL	136
00136	001360	DATA RECORD IS AIRCRAFT-REC.		00136VAL	137
00137	001370	01 AIRCRAFT-REC.		00137VAL	138
00138	001380	05 FILLER	PICTURE X(162).	00138VAL	139
00139	001390	05 AC-PR	PICTURE 99.	00139VAL	140
00140	001400	05 AC-CODE	PICTURE X.	00140VAL	141
00141	001410	FD INDX-AIR		00141VAL	142
00142	001420	LABEL RECORDS ARE OMITTED		00142VAL	143
00143	001430	RECORD CONTAINS 68 CHARACTERS		00143VAL	144
00144	001440	BLOCK CONTAINS 15 RECORDS		00144VAL	145
00145	001450	DATA RECORD IS INDX-AIR-REC.		00145VAL	146
00146	001460	01 INDX-AIR-REC.		00146VAL	147
00147	001470	05 KEY-AIR PIC 9(61).	PICTURE X(156).	00147VAL	148
00148	001480	05 FILLER	PICTURE 99.	00148VAL	149
00149	001490	05 AC-PR	PICTURE 99.	00149VAL	150
00150	001500	05 CHLK-MU	PICTURE 9161.	00150VAL	151
00151	001510	FD CD-RD		00151VAL	152
00152	001520	LABEL RECORDS ARE OMITTED		00152VAL	153
00153	001530	RECORD CONTAINS 80 CHARACTERS		00153VAL	154
00154	001540	DATA RECORD IS CARD-IN.		00154VAL	155
00155	001550	01 CARD-IN	PICTURE X(180).	00155VAL	156
00156	001560	FD SRD-CDS		00156VAL	157
00157	001570	LABEL RECORDS ARE OMITTED		00157VAL	158
00158	001580			00158VAL	159
00159	001590	LABEL RECORDS ARE STANDARD		00159VAL	160
00160	001600			00160VAL	161
00161	001610	RECORD CONTAINS 87 CHARACTERS		00161VAL	162
00162	001620	BLOCK CONTAINS 10 RECORDS		00162VAL	163
00163	001630	DATA RECORD IS CD-SRT.		00163VAL	164
00164	001640	01 CD-SRT.		00164VAL	165
00165	001650	05 CDSRT	PICTURE X(180).	00165VAL	166
00166	001660	05 CARD-M	PICTURE X.	00166VAL	167
00167	001670	05 FILLER PICTURE X.	PICTURE 9161.	00167VAL	168
00168	001680	TEMP-FILE		00168VAL	169
00169	001690	LABEL RECORDS ARE OMITTED		00169VAL	170
00170	001700			00170VAL	171
00171	001710	LABEL RECORDS ARE STANDARD		00171VAL	172



00172	001720*	RECORD CONTAINS 88 CHARACTERS	00172VAL	173
00173	001730	RECORD CONTAINS 10 RECORDS	00173VAL	174
00174	001740*	DATA RECORD 15 TEMP-RECORD.	00174VAL	175
00175	001750	DATA RECORD 15 TEMP-RECORD.	00175VAL	176
00176	001760 01	TEMP-RECORD.	00176VAL	177
00177	001770	05 FILLER	00177VAL	178
00178	001780	05 PR-T	00178VAL	179
00179	001790	05 FILLER	00179VAL	180
00180	001800 FD	MASTER-FILE	00180VAL	181
00181	001810	LABEL RECORDS ARE OMITTED	00181VAL	182
00182	001820	RECORD CONTAINS 82 CHARACTERS	00182VAL	183
00183	001830	RECORD CONTAINS 15 RECORDS	00183VAL	184
00184	001840	DATA RECORD 15 MASTER-RECORD.	00184VAL	185
00185	001850 01	MASTER-RECORD.	00185VAL	186
00186	001860	05 KEY-MFB PIC 9(18).	00186VAL	187
00187	001870	05 SUB-REC.	00187VAL	188
00188	001880	10 MR-NOM.	00188VAL	189
00189	001890	15 MR-RK	00189VAL	190
00190	001900	15 MR-NAM	00190VAL	191
00191	001910	10 MR-VNM.	00191VAL	192
00192	001920	15 MR-PR-MO	00192VAL	193
00193	001930	15 MR-EQLNK	00193VAL	194
00194	001940	15 PASS-BUMP REDEFINES MR-EQLNK.	00194VAL	195
00195	001950	20 R-FLAG	00195VAL	196
00196	001960	20 R-CLK-MO	00196VAL	197
00197	001970	15 MR-SIZE-CODE	00197VAL	198
00198	001980	15 MR-COMMENTS	00198VAL	199
00199	001990	15 MR-XCODE	00199VAL	200
00200	002000	15 MR-SSAN	00200VAL	201
00201	002010	15 MR-WT	00201VAL	202
00202	002020	15 MR-LTH	00202VAL	203
00203	002030	15 MR-WTH	00203VAL	204
00204	002040	15 MR-HTH	00204VAL	205
00205	002050	15 MR-CGC	00205VAL	206
00206	002060	WORKING-STORAGE SECTION.	00206VAL	207
00207	002070 77	PEJ-CTR	00207VAL	208
00208	002080*	PICTURE S9(15) VALUE 0.	00208VAL	209
00209	002090*	10 RESET SORT FOR AIRCRAFT C-130 BEFORE C-141.	00209VAL	210
00210	002100*		00210VAL	211
00211	002110 77	C-130-BEFORE-C-141 PIC X VALUE SPACES.	00211VAL	212
00212	002120*		00212VAL	213
00213	002130*		00213VAL	214
00214	002140*		00214VAL	215
00215	002150	MASTR-CTR	00215VAL	216
00216	002160 77	DEF-PAS-RESET PIC X VALUE "N".	00216VAL	217
00217	002170	88 DEFAULT-RESET	00217VAL	218
00218	002180 77	MAX-PASS-WT	00218VAL	219
00219	002190 77	AIR-CTR	00219VAL	220
00220	002200 77	REJ-CTR	00220VAL	221
00221	002210 77	AVA-PASS	00221VAL	222
00222	002220 77	CARD-MO	00222VAL	223
00223	002230 77	KEY-MFN	00223VAL	224
00224	002240 77	START-KEY	00224VAL	225
00225	002250 77	PAGENO	00225VAL	226
00226	002260 77	LINE-COUNT	00226VAL	227
00227	002270 77	MO-AC	00227VAL	228
00228	002280 77	INPUT-SEQ	00228VAL	229
		PICTURE S9(16) COMPUTATIONAL VALUE 0.		

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00286	002860	15 WT-C141	PICTURE 59163 VALUE 50000.	00286VAL	287
00287	002870	15 ACL-C141	PICTURE 59163 VALUE 50000.	00287VAL	288
00288	002880	15 NO-C141	PICTURE 59163 VALUE 0.	00288VAL	289
00289	002890	10 LIMITS-C5.		00289VAL	290
00290	002900	15 LTH-C5	PICTURE 59133 VALUE 999.	00290VAL	291
00291	002910	15 MTH-C5	PICTURE 59133 VALUE 228.	00291VAL	292
00292	002920	15 HTH-C5	PICTURE 59133 VALUE 156.	00292VAL	293
00293	002930	15 PCG-C5	PICTURE 59143 VALUE 1275.	00293VAL	294
00294	002940	15 MIX-C5	PICTURE 59161 VALUE 0.	00294VAL	295
00295	002950	15 WT-C5	PICTURE 59163 VALUE 200000.	00295VAL	296
00296	002960	15 ACL-C5	PICTURE 59163 VALUE 110000.	00296VAL	297
00297	002970	15 NO-C5	PICTURE 59133 VALUE 0.	00297VAL	298
00298	002980	05 LIMITS-REDEF REDEFINES LIMITS-AREA.		00298VAL	299
00299	002990	10 LIMITS-HOLD OCCURS 4 TIMES.		00299VAL	300
00300	003000	15 LTH-HOLD	PICTURE XXX.	00300VAL	301
00301	003010	15 L9 REDEFINES LTH-HOLD PICTURE 999.		00301VAL	302
00302	003020	15 MTH-HOLD	PICTURE XXX.	00302VAL	303
00303	003030	15 M9 REDEFINES MTH-HOLD PICTURE 999.		00303VAL	304
00304	003040	15 HTH-HOLD	PICTURE XXX.	00304VAL	305
00305	003050	15 H9 REDEFINES HTH-HOLD PICTURE 999.		00305VAL	306
00306	003060	15 PCG-HOLD	PICTURE X141.	00306VAL	307
00307	003070	15 PCG9 REDEFINES PCG-HOLD PICTURE 9141.		00307VAL	308
00308	003080	15 MIX-HOLD	PICTURE X141.	00308VAL	309
00309	003090	15 M9 REDEFINES MIX-HOLD PICTURE 9141.		00309VAL	310
00310	003100	15 WT-HOLD	PICTURE X161.	00310VAL	311
00311	003110	15 M9 REDEFINES WT-HOLD PICTURE 9161.		00311VAL	312
00312	003120	15 ACL-HOLD	PICTURE X161.	00312VAL	313
00313	003130	15 ACL9 REDEFINES ACL-HOLD PICTURE 9161.		00313VAL	314
00314	003140	15 NO-HOLD	PICTURE 59133.	00314VAL	315
00315	003150	05 AREA-C5	PICTURE 59163 VALUE 2660.	00315VAL	316
00316	003160	05 AREA-C141	PICTURE 59163 VALUE 812.	00316VAL	317
00317	003170	05 AREA-C130	PICTURE 59163 VALUE 512.	00317VAL	318
00318	003180	05 EQUIP-MAX	PICTURE 59173 VALUE 0.	00318VAL	319
00319	003190	05 DUT-MAX	PICTURE 59173 VALUE 0.	00319VAL	320
00320	003200	05 PASS-MAX	PICTURE 59173 VALUE 0.	00320VAL	321
00321	003210	01 PAS-DATA-HOLD-AREA.		00321VAL	322
00322	003220	05 PAS-DATA-1 PIC X1241.		00322VAL	323
00323	003230	05 PAS-DATA-2 REDEFINES PAS-DATA-1.		00323VAL	324
00324	003240	06 PAS-DATA-3 OCCURS 4 TIMES.		00324VAL	325
00325	003250	07 PAS-ONLY PIC 9131.		00325VAL	326
00326	003260	07 PAS-EQUIP PIC 9131.		00326VAL	327
00327	003270	05 PAGE-NO-SWAP PIC 9141.		00327VAL	328
00328	003280	05 FILLER		00328VAL	329
00329	003290	01 CODE-AREA.		00329VAL	330
00330	003300	05 DEFINED-CODES		00330VAL	331
00331	003310	05 CODE-TYPE REDEFINES DEFINED-CODES		00331VAL	332
00332	003320	05 CODE-TYPE REDEFINES DEFINED-CODES		00332VAL	333
00333	003330	01 COMMON-AREA-2.		00333VAL	334
00334	003340	05 SET-IO-FLAGS.		00334VAL	335
00335	003350	10 FLIST		00335VAL	336
00336	003360	10 FLOCK		00336VAL	337
00337	003370	10 FPECK		00337VAL	338
00338	003380	10 FPLAN		00338VAL	339
00339	003390	10 FTELE		00339VAL	340
00340	003400	10 FFILE		00340VAL	341
00341	003410	10 FPRIO		00341VAL	342
00342	003420	10 FINTEG		00342VAL	343

00343	003430	10 FGEN	PICTURE X VALUE COM-VALUE.	00343VAL	346
00344	003440	05 NO-COPIES	PIC 5914) VALUE 1.	00344VAL	345
00345	003450	05 NO-COPIES-X REDEFINES NO-COPIES PIC X141.		00345VAL	346
00346	003460	05 NO-PR	PIC 5914).	00346VAL	347
00347	003470	05 USER-TITLE2.		00347VAL	348
00348	003480	10 T1-29		00348VAL	349
00349	003490	10 T30-58	PICTURE X129) VALUE SPACES.	00349VAL	350
00350	003500	10 T59-72	PICTURE X129) VALUE SPACES.	00350VAL	351
00351	003510	01 LIST-AREA.		00351VAL	352
00352	003520	05 FILLER	PICTURE XXX VALUE SPACES.	00352VAL	353
00353	003530	05 SEQUENCE	PICTURE ZZZZZZ.	00353VAL	354
00354	003540	05 FILLER	PICTURE XXX VALUE SPACES.	00354VAL	355
00355	003550	05 CARGO-LIST.		00355VAL	356
00356	003560	10 UID-CL	PICTURE X171).	00356VAL	357
00357	003570	10 RNK-CL	PICTURE XXX.	00357VAL	358
00358	003580	10 NUM-CL	PICTURE X123).	00358VAL	359
00359	003590	10 SSAN-CL	PICTURE 9191.	00359VAL	360
00360	003600	10 SSAN-CL-EU REDEFINES SSAN-CL.		00360VAL	361
00361	003610	15 FILLER	PICTURE X163).	00361VAL	362
00362	003620	15 TRL-OLAP-CL	PICTURE XXX.	00362VAL	363
00363	003630	10 XCODE	PICTURE XX.	00363VAL	364
00364	003640	10 LTH-CL	PICTURE 999.	00364VAL	365
00365	003650	10 MTH-CL	PICTURE 999.	00365VAL	366
00366	003660	10 HTH-CL	PICTURE 999.	00366VAL	367
00367	003670	10 WT-CL	PICTURE 9167.	00367VAL	368
00368	003680	10 CGC-CL	PICTURE 999.	00368VAL	369
00369	003690	10 PRI-CL	PICTURE 999.	00369VAL	370
00370	003700	10 WRN-CL.		00370VAL	371
00371	003710	15 BM-CL	PICTURE X163).	00371VAL	372
00372	003720	10 QTY-CL	PICTURE XXX.	00372VAL	373
00373	003730	10 SP-CL	PICTURE X.	00373VAL	374
00374	003740	10 CD-CL	PICTURE X.	00374VAL	375
00375	003750	10 FILLER	PICTURE X143).	00375VAL	376
00376	003760	05 COM-CL-X REDEFINES CARGO-LIST.		00376VAL	377
00377	003770	10 FILLER	PICTURE X163).	00377VAL	378
00378	003780	10 CUM-CL	PICTURE X115).	00378VAL	379
00379	003790	05 AIRCRAFT-LIST REDEFINES COM-CL-X.		00379VAL	380
00380	003800	10 FILLER	PICTURE X1801.	00380VAL	381
00381	003810	05 FILLER	PICTURE XX VALUE SPACES.	00381VAL	382
00382	003820	05 CLASS-AREA.		00382VAL	383
00383	003830	10 FILLER	PICTURE XXX VALUE SPACES.	00383VAL	384
00384	003840	10 CLASS-2		00384VAL	385
00385	003850	15 FILLER	PICTURE X.	00385VAL	386
00386	003860	15 FILLER	PICTURE X(5).	00386VAL	387
00387	003870	01 PRIORITY-FILE.		00387VAL	388
00388	003880	05 PMTY OCCURS 100 TIMES.		00388VAL	389
00389	003890	10 UID-PF	PICTURE X171).	00389VAL	390
00390	003900	10 TOCHU-PF	PICTURE 59181.	00390VAL	391
00391	003910	10 PHINTER	PICTURE 59133).	00391VAL	392
00392	003920	10 CUN	PICTURE X.	00392VAL	393
00393	003930	01 SHIFT-LEFT.		00393VAL	394
00394	003940	05 LEFT-SHIFT OCCURS 20 TIMES PICTURE X.		00394VAL	395
00395	003950	01 CDI.		00395VAL	396
00396	003960	05 FILLER	PICTURE X.	00396VAL	397
00397	003970	05 MNLIST	PICTURE X.	00397VAL	398
00398	003980	05 FILLER	PICTURE XX.	00398VAL	399
00399	003990	05 DECK	PICTURE X.	00399VAL	400



00400	004060	05 FILLER	PICTURE XX-	00400VAL	401
00401	004010	05 NUBAL	PICTURE X-	00401VAL	402
00402	004020	05 FILLER	PICTURE XX-	00402VAL	403
00403	004030	05 NOMATEING	PICTURE X-	00403VAL	404
00404	004040	05 FILLER	PICTURE XX-	00404VAL	405
00405	004050	05 TELESCOPING	PICTURE X-	00405VAL	406
00406	004060	05 FILLER	PICTURE XX-	00406VAL	407
00407	004070	05 PRITY	PICTURE X-	00407VAL	408
00408	004080	05 FILLER	PICTURE XX-	00408VAL	409
00409	004090	05 INTEGRITY	PICTURE X-	00409VAL	410
00410	004100	05 FILLER	PICTURE XX-	00410VAL	411
00411	004110	05 GEN-ARCFI	PICTURE X-	00411VAL	412
00412	004120	05 FILLER	PICTURE XX-	00412VAL	413
00413	004130	05 COPS	PICTURE X-	00413VAL	414
00414	004140	05 COPS-9 REDEFINES COPS	PICTURE 9-	00414VAL	415
00415	004150	05 FILLER	PICTURE XX-	00415VAL	416
00416	004160	05 LNS	PICTURE XX-	00416VAL	417
00417	004170	05 LNS-9 REDEFINES LNS	PICTURE 99-	00417VAL	418
00418	004180*	ALLOW C-130 TO BE SORTED BEFORE C-141.		00418VAL	419
00419	004190*			00419VAL	420
00420	004200*			00420VAL	421
00421	004210	05 FILLER	PIC XX-	00421VAL	422
00422	004220	05 AC-PRI-SW	PIC X-	00422VAL	423
00423	004230	05 FILLER	PIC X142}.	00423VAL	424
00424	004240*	THE INSTRUCTION FORM NEEDS MODIFICATION		00424VAL	425
00425	004250*			00425VAL	426
00426	004260*			00426VAL	427
00427	004270	05 CD-TYPE	PICTURE X-	00427VAL	428
00428	004280	05 S-N	PICTURE 914}.	00428VAL	429
00429	004290	05 S-N-X REDEFINES S-N	PICTURE X14}.	00429VAL	430
00430	004300 01	CD2 REDEFINES CD1.		00430VAL	431
00431	004310	05 TITL	PICTURE X172}.	00431VAL	432
00432	004320	05 FILLER	PICTURE X18}.	00432VAL	433
00433	004330 01	CD3 REDEFINES CD1.		00433VAL	434
00434	004340	05 COL80 OCCURS 80 TIMES	PICTURE X-	00434VAL	435
00435	004350 01	CD4 REDEFINES CD1.		00435VAL	436
00436	004360	05 MODEL	PICTURE X151-	00436VAL	437
00437	004370	05 FILLER	PICTURE X-	00437VAL	438
00438	004380	05 RATIO	PICTURE XXX-	00438VAL	439
00439	004390	05 R9 REDEFINES RATIO	PICTURE 999-	00439VAL	440
00440	004400	05 ACL	PICTURE X16}.	00440VAL	441
00441	004410	05 CG	PICTURE X14}.	00441VAL	442
00442	004420	05 PAX	PICTURE XXX-	00442VAL	443
00443	004430	05 PAX9 REDEFINES PAX	PICTURE 999-	00443VAL	444
00444	004440	05 PAXM	PICTURE XXX-	00444VAL	445
00445	004450	05 PAXM9 REDEFINES PAXM	PICTURE 999-	00445VAL	446
00446	004460	05 LTH	PICTURE XXX-	00446VAL	447
00447	004470	05 WTH	PICTURE XXX-	00447VAL	448
00448	004480	05 HTH	PICTURE XXX-	00448VAL	449
00449	004490	05 MTG	PICTURE X161.	00449VAL	450
00450	004500	05 PAX-WT	PICTURE XXX-	00450VAL	451
00451	004510	05 PAX-WT9 REDEFINES PAX-WT	PICTURE 999-	00451VAL	452
00452	004520	05 FILLER	PICTURE X137}.	00452VAL	453
00453	004530 01	CD5 REDEFINES CD1.		00453VAL	454
00454	004540	05 FILLER	PICTURE X151-	00454VAL	455
00455	004550	05 ACL5	PICTURE X16}.	00455VAL	456
00456	004560	05 QTY	PICTURE XXX-	00456VAL	457



AD-A066 988

ARMY LOGISTICS CENTER FORT LEE VA

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AIR MOVEMENT PLANNING SYSTEM (AMPS). VOLUME III. SYSTEM/PROGRAM--ETC(U)

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3 of 5

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00457	004570	05 QTY-9 REDEFINES QTY	PICTURE 999-	00457VAL	458
00458	004580	05 DEP	PICTURE X(14)-	00458VAL	459
00459	004590	05 ARR	PICTURE X(14)-	00459VAL	460
00460	004600	05 TN	PICTURE X(17)-	00460VAL	461
00461	004610	05 MN	PICTURE X(112)-	00461VAL	462
00462	004620	05 PAXA	PICTURE XXX-	00462VAL	463
00463	004630	05 PAXAH	PICTURE XXX-	00463VAL	464
00464	004640	05 FLS	PICTURE XXX-	00464VAL	465
00465	004650	05 LLS	PICTURE XXX-	00465VAL	466
00466	004660	05 CPA	PICTURE X-	00466VAL	467
00467	004670	05 AFCMD	PICTURE XXX-	00467VAL	468
00468	004680	05 SAV-MOD PIC X(17)-	PICTURE XXX-	00468VAL	469
00469	004690	05 FILLER PIC X(14)-		00469VAL	470
00470	004700 01	CD6P REDEFINES CD1-		00470VAL	471
00471	004710	05 UID	PICTURE X(17)-	00471VAL	472
00472	004720	05 RK	PICTURE XXX-	00472VAL	473
00473	004730	05 NAME	PICTURE X(23)-	00473VAL	474
00474	004740	05 SSAN	PICTURE X(19)-	00474VAL	475
00475	004750	05 SSAN-9 REDEFINES SSAN	PICTURE 9(19)-	00475VAL	476
00476	004760	05 PXS	PICTURE XX-	00476VAL	477
00477	004770	05 FILLER	PICTURE X(12)-	00477VAL	478
00478	004780	05 WTP	PICTURE XXX-	00478VAL	479
00479	004790	05 WTP-9 REDEFINES WTP	PICTURE 999-	00479VAL	480
00480	004800	05 FILLER	PICTURE XXX-	00480VAL	481
00481	004810	05 PRTP	PICTURE XXX-	00481VAL	482
00482	004820	05 EQ-LNKP	PICTURE X(16)-	00482VAL	483
00483	004830	05 REPP	PICTURE XXX-	00483VAL	484
00484	004840	05 REPP-9 REDEFINES REPP	PICTURE 999-	00484VAL	485
00485	004850	05 FILLER	PICTURE X(16)-	00485VAL	486
00486	004860 01	CD6E REDEFINES CD1-		00486VAL	487
00487	004870	05 FILLER	PICTURE X(10)-	00487VAL	488
00488	004880	05 DESC	PICTURE X(123)-	00488VAL	489
00489	004890	05 BRK-DESC REDEFINES DESC-		00489VAL	490
00490	004900	10 FILLER PIC X(17)-		00490VAL	491
00491	004910	10 REST6 PIC X(16)-		00491VAL	492
00492	004920	05 FILLER	PICTURE X(16)-	00492VAL	493
00493	004930	05 TR1-DLAP	PICTURE XXX-	00493VAL	494
00494	004940	05 CGCD	PICTURE XX-	00494VAL	495
00495	004950	05 DIMENSION-AREA-		00495VAL	496
00496	004960	10 LTNE	PICTURE 999-	00496VAL	497
00497	004970	10 WTHE	PICTURE 999-	00497VAL	498
00498	004980	10 HTHE	PICTURE 999-	00498VAL	499
00499	004990	10 WTHE	PICTURE 9(16)-	00499VAL	500
00500	005000	05 CGE	PICTURE 999-	00500VAL	501
00501	005010	05 CGEX REDEFINES CGE	PICTURE XXX-	00501VAL	502
00502	005020	05 PRIE	PICTURE 999-	00502VAL	503
00503	005030	05 PRIEX REDEFINES PRIE	PICTURE XXX-	00503VAL	504
00504	005040	05 EQ-LNKE	PICTURE X(16)-	00504VAL	505
00505	005050	05 REPE	PICTURE XXX-	00505VAL	506
00506	005060	05 REPE-9 REDEFINES REPE	PICTURE 999-	00506VAL	507
00507	005070	05 SPE	PICTURE X-	00507VAL	508
00508	005080	05 FILLER	PICTURE X(15)-	00508VAL	509
00509	005090 01	AIR-CFI-		00509VAL	510
00510	005100	05 KEY-AIR	PICTURE 9(16)-	00510VAL	511
00511	005110	05 CARRIER	PICTURE XXX-	00511VAL	512
00512	005120	05 AC-MOD	PICTURE X(15)-	00512VAL	513
00513	005130	05 AC-NO	PICTURE X(17)-	00513VAL	514

00514	005140	05 MISSION	PICTURE X121.	00514VAL	515
00515	005150	05 DEP-AFLD	PICTURE X141.	00515VAL	516
00516	005160	05 ARV-AFLD	PICTURE X141.	00516VAL	517
00517	005170	05 ALM-WT-A	PICTURE X161.	00517VAL	518
00518	005180	05 ALM-WT-A9 REDEFINES ALM-WT-A PICTURE 9161.	PICTURE X161.	00518VAL	519
00519	005190	05 PASS-LMT-A	PICTURE XXX.	00519VAL	520
00520	005200	05 P-L-R REDEFINES PASS-LMT-A PICTURE 999.	PICTURE XXX.	00520VAL	521
00521	005210	05 E-PASS-LMT	PICTURE 999.	00521VAL	522
00522	005220	05 EP9 REDEFINES E-PASS-LMT PICTURE XXX.	PICTURE XXX.	00522VAL	523
00523	005230	05 FL5A	PICTURE 9141.	00523VAL	524
00524	005240	05 FL59 REDEFINES FL5A PICTURE 9141.	PICTURE 9141.	00524VAL	525
00525	005250	05 LLSA	PICTURE 9141.	00525VAL	526
00526	005260	05 LL59 REDEFINES LLSA PICTURE 9141.	PICTURE 9141.	00526VAL	527
00527	005270	05 CUMF-PAL	PICTURE X.	00527VAL	528
00528	005280	01 DIAGNOSTIC-AREA.		00528VAL	529
00529	005290	05 CARGO-DIAGNOSTIC.		00529VAL	530
00530	005300	10 CARGO-DIG-CLEAR.		00530VAL	531
00531	005310	15 FILLER	PIC XXX.	00531VAL	532
00532	005320	15 D-SEQ	PIC X161.	00532VAL	533
00533	005330	15 FILLER	PIC XXX.	00533VAL	534
00534	005340	10 D-UID	PICTURE X171.	00534VAL	535
00535	005350	10 D-RNK	PICTURE XXX.	00535VAL	536
00536	005360	10 D-RUN	PICTURE X123.	00536VAL	537
00537	005370	10 D-SSAM	PICTURE X191.	00537VAL	538
00538	005380	10 TOP-SSAM REDEFINES D-SSAM.	PICTURE XXX.	00538VAL	539
00539	005390	15 FILLER	PICTURE X161.	00539VAL	540
00540	005400	15 D-TNL-OLAP	PICTURE XXX.	00540VAL	541
00541	005410	10 D-XCODE	PICTURE XX.	00541VAL	542
00542	005420	10 D-LTH	PICTURE XXX.	00542VAL	543
00543	005430	10 D-MTH	PICTURE XXX.	00543VAL	544
00544	005440	10 D-HTM	PICTURE XXX.	00544VAL	545
00545	005450	10 D-HT	PICTURE X181.	00545VAL	546
00546	005460	10 D-CGC	PICTURE XXX.	00546VAL	547
00547	005470	10 D-PRJ	PICTURE XXX.	00547VAL	548
00548	005480	10 D-BUMP	PICTURE X161.	00548VAL	549
00549	005490	10 D-QTY	PICTURE XXX.	00549VAL	550
00550	005500	10 D-SP	PICTURE X.	00550VAL	551
00551	005510	10 D-CO	PICTURE X.	00551VAL	552
00552	005520	10 FILLER	PICTURE XXXX.	00552VAL	553
00553	005530	05 AIRCRAFT-DIAGNOSTIC REDEFINES CARGO-DIAGNOSTIC.		00553VAL	554
00554	005540	10 FILLER	PICTURE XXX.	00554VAL	555
00555	005550	10 SEQ-AD	PICTURE 9161.	00555VAL	556
00556	005560	10 FILLER	PICTURE XXX.	00556VAL	557
00557	005570	10 D-ACMD	PICTURE X151.	00557VAL	558
00558	005580	10 D-ALMT	PICTURE X161.	00558VAL	559
00559	005590	10 D-QTY	PICTURE XXX.	00559VAL	560
00560	005600	10 D-DEPAFLD	PICTURE X141.	00560VAL	561
00561	005610	10 D-ARVAFD	PICTURE X141.	00561VAL	562
00562	005620	10 D-TATLNU	PICTURE X171.	00562VAL	563
00563	005630	10 D-MISM	PICTURE X1121.	00563VAL	564
00564	005640	10 D-PAX	PICTURE XXX.	00564VAL	565
00565	005650	10 D-PAXM	PICTURE XXX.	00565VAL	566
00566	005660	10 D-FLS	PICTURE XXXX.	00566VAL	567
00567	005670	10 D-LLS	PICTURE XXXX.	00567VAL	568
00568	005680	10 D-CP	PICTURE X.	00568VAL	569
00569	005690	10 D-AFCMD	PICTURE XXX.	00569VAL	570
00570	005700	10 FILLER	PICTURE X121.	00570VAL	571







00628	006280 01	GETTIME.	PICTURE 99.	00628VAL	629
00629	006290	05 HH	PICTURE 99.	00629VAL	630
00630	006300	05 MM	PICTURE 99.	00630VAL	631
00631	006310	05 SS	PICTURE 99.	00631VAL	632
00632	006320	05 FILLER	PICTURE 99.	00632VAL	633
00633	006330 01	GETDATE.		00633VAL	634
00634	006340	05 D-CHAR2	PICTURE XX.	00634VAL	635
00635	006350	05 D-SL1	PICTURE X.	00635VAL	636
00636	006360	05 D-CHAR5	PICTURE XX.	00636VAL	637
00637	006370	05 D-SL2	PICTURE X.	00637VAL	638
00638	006380	05 D-CHAR8	PICTURE XX.	00638VAL	639
00639	006390 01	R-J-GETDATE	REDEFINES GETDATE.	00639VAL	640
00640	006400	05 FILLER	PICTURE XX.	00640VAL	641
00641	006410	05 D-CHAR4	PICTURE XX.	00641VAL	642
00642	006420	05 D-CHAR6	PICTURE XX.	00642VAL	643
00643	006430	05 FILLER	PICTURE XX.	00643VAL	644
00644	006440 01	PARAM-HD2.		00644VAL	645
00645	006450	05 FILLER	PICTURE XX.	00645VAL	646
00646	006460	05 FILLER	PICTURE XX.	00646VAL	647
00647	006470	05 FILLER	PICTURE XX.	00647VAL	648
00648	006480 01	PARAM-HD3.		00648VAL	649
00649	006490	05 FILLER	PICTURE XX.	00649VAL	650
00650	006500	05 FILLER	PICTURE XX.	00650VAL	651
00651	006510	05 FILLER	PICTURE XX.	00651VAL	652
00652	006520 01	PARAM-HD4.		00652VAL	653
00653	006530	05 FILLER	PICTURE XX.	00653VAL	654
00654	006540	05 FILLER	PICTURE XX.	00654VAL	655
00655	006550	05 FILLER	PICTURE XX.	00655VAL	656
00656	006560	05 FILLER	PICTURE XX.	00656VAL	657
00657	006570	05 FILLER	PICTURE XX.	00657VAL	658
00658	006580	05 FILLER	PICTURE XX.	00658VAL	659
00659	006590	05 FILLER	PICTURE XX.	00659VAL	660
00660	006600	05 FILLER	PICTURE XX.	00660VAL	661
00661	006610	05 FILLER	PICTURE XX.	00661VAL	662
00662	006620	05 FILLER	PICTURE XX.	00662VAL	663
00663	006630	05 FILLER	PICTURE XX.	00663VAL	664
00664	006640	05 FILLER	PICTURE XX.	00664VAL	665
00665	006650	05 FILLER	PICTURE XX.	00665VAL	666
00666	006660	05 FILLER	PICTURE XX.	00666VAL	667
00667	006670	05 FILLER	PICTURE XX.	00667VAL	668
00668	006680	05 FILLER	PICTURE XX.	00668VAL	669
00669	006690	05 FILLER	PICTURE XX.	00669VAL	670
00670	006700	05 FILLER	PICTURE XX.	00670VAL	671
00671	006710	05 FILLER	PICTURE XX.	00671VAL	672
00672	006720	05 FILLER	PICTURE XX.	00672VAL	673
00673	006730	05 FILLER	PICTURE XX.	00673VAL	674
00674	006740	05 FILLER	PICTURE XX.	00674VAL	675
00675	006750	05 FILLER	PICTURE XX.	00675VAL	676
00676	006760 01	PARAM-L2.		00676VAL	677
00677	006770	05 FILLER	PICTURE XX.	00677VAL	678
00678	006780	05 FILLER	PICTURE XX.	00678VAL	679
00679	006790	05 FILLER	PICTURE XX.	00679VAL	680
00680	006800	05 FILLER	PICTURE XX.	00680VAL	681
00681	006810 01	PARAM-L2-A.		00681VAL	682
00682	006820	05 FILLER	PICTURE XX.	00682VAL	683
00683	006830	05 FILLER	PICTURE XX.	00683VAL	684
00684	006840	05 FILLER	PICTURE XX.	00684VAL	685

TYPE 6 INPUT CARDS HAVE OVERTODEN FORMER OFFAULT

00685	006850-	"PASSENGER WEIGHT".				00685VAL	686
00686	006860 01	PARM-L3.				00686VAL	687
00687	006870	05 FILLER	PIC X1151	VALUE SPACES.		00687VAL	688
00688	006880	05 FILLER	PIC X1291	VALUE		00688VAL	689
00689	006890	"SCHEMATIC PRINT WIDTH	"	"		00689VAL	690
00690	006900	05 PARM-SC	PIC ZZZZ.			00690VAL	691
00691	006910 01	PARM-P0.				00691VAL	692
00692	006920	05 FILLER	PIC X1151	VALUE SPACES.		00692VAL	693
00693	006930	05 FILLER	PIC X1501	VALUE		00693VAL	694
00694	006940	"NUMBER OF PASSENGERS FOR ALL PASSENGER LOAD DN C-".				00694VAL	695
00695	006950	05 PARM-PDA	PIC X131	VALUE -130".		00695VAL	696
00696	006960	05 FILLER	PIC X1121	VALUE = AIRCRAFT = "		00696VAL	697
00697	006970	05 PARM-PDM	PIC ZZZ.			00697VAL	698
00698	006980 01	PARM-PN.				00698VAL	699
00699	006990	05 FILLER	PIC X1151	VALUE SPACES.		00699VAL	700
00700	007000	05 FILLER	PIC X1551	VALUE		00700VAL	701
00701	007010	"NUMBER OF PASSENGERS TO BE LOADED WITH EQUIPMENT ON C-".				00701VAL	702
00702	007020	05 PARM-PMA	PIC X131	VALUE -130".		00702VAL	703
00703	007030	05 FILLER	PIC X1121	VALUE = AIRCRAFT = "		00703VAL	704
00704	007040	05 PARM-PNM	PIC ZZZ.			00704VAL	705
00705	007050 01	C-130-B-141.				00705VAL	706
00706	007060	05 FILLER	PIC X1151	VALUE SPACES.		00706VAL	707
00707	007070	05 FILLER	PIC X1511	VALUE		00707VAL	708
00708	007080	"C-130 AIRCRAFT WILL BE LOADED BEFORE C-141 AIRCRAFT".				00708VAL	709
00709	007090 01	H52				00709VAL	710
00710	007100 01	SUB-HD.				00710VAL	711
00711	007110	05 FILLER	PICTURE X1201	VALUE SPACES.		00711VAL	712
00712	007120	05 HD-SUB	PICTURE X1601.			00712VAL	713
00713	007130 01	PRI-HDR.				00713VAL	714
00714	007140	05 FILLER	PICTURE X1131	VALUE SPACES.		00714VAL	715
00715	007150	05 FILLER	PICTURE X151	VALUE -10".		00715VAL	716
00716	007160	05 FILLER	PICTURE X1131	VALUE SPACES.		00716VAL	717
00717	007170	05 FILLER	PICTURE X1321	VALUE		00717VAL	718
00718	007180	"OUTSIZE CARGO HEIGHT PRIORITY".				00718VAL	719
00719	007190	05 FILLER	PICTURE X1101	VALUE SPACES.		00719VAL	720
00720	007200	05 FILLER	PICTURE X1141	VALUE = COMBINED UID = "		00720VAL	721
00721	007210 01	PRI-LIST.				00721VAL	722
00722	007220	05 FILLER	PICTURE X1121	VALUE SPACES.		00722VAL	723
00723	007230	05 PRI-UID	PICTURE X171.			00723VAL	724
00724	007240	05 FILLER	PICTURE X1121	VALUE SPACES.		00724VAL	725
00725	007250	05 PRI-DMT	PICTURE ZZZ-ZZZ-ZZZ.			00725VAL	726
00726	007260	05 FILLER	PICTURE X1181	VALUE SPACES.		00726VAL	727
00727	007270	05 PRI-PRI	PICTURE ZZZ.			00727VAL	728
00728	007280	05 FILLER	PICTURE X1131	VALUE SPACES.		00728VAL	729
00729	007290	05 CUID	PICTURE X171	VALUE SPACES.		00729VAL	730
00730	007300 01	OPT-IN-E1.				00730VAL	731
00731	007310	05 FILLER	PICTURE X1581	VALUE		00731VAL	732
00732	007320	"	CARD NO NO 1 NO UNIT	GENE-.		00732VAL	733
00733	007330	05 FILLER	PICTURE X1141	VALUE		00733VAL	734
00734	007340	"	NO-	LINE-.		00734VAL	735
00735	007350 01	OPT-IN-E2.				00735VAL	736
00736	007360	05 FILLER	PICTURE X1581	VALUE		00736VAL	737
00737	007370	"	LIST DECK	DIAG RATE SCOPE PRIOR INTEG RATE-.		00737VAL	738
00738	007380	05 FILLER	PICTURE X1151	VALUE		00738VAL	739
00739	007390	"	COP	COUNT-.		00739VAL	740
00740	007400 01	OPT-IN-E3.				00740VAL	741
00741	007410	05 FILLER	PICTURE X171	VALUE SPACES.		00741VAL	742

00742	007420	05	X11ST	PICTURE X VALUE SPACES.	00742VAL	743
00743	007430	05	FILLER	PICTURE X171 VALUE SPACES.	00743VAL	744
00744	007440	05	XDFCK	PICTURE X VALUE SPACES.	00744VAL	745
00745	007450	05	FILLER	PICTURE X163 VALUE SPACES.	00745VAL	746
00746	007460	05	XDIAG	PICTURE X VALUE SPACES.	00746VAL	747
00747	007470	05	FILLER	PICTURE X143 VALUE SPACES.	00747VAL	748
00748	007480	05	XNATE	PICTURE X VALUE SPACES.	00748VAL	749
00749	007490	05	FILLER	PICTURE X173 VALUE SPACES.	00749VAL	750
00750	007500	05	XTELE	PICTURE X VALUE SPACES.	00750VAL	751
00751	007510	05	FILLER	PICTURE X163 VALUE SPACES.	00751VAL	752
00752	007520	05	XPRIO	PICTURE X VALUE SPACES.	00752VAL	753
00753	007530	05	FILLER	PICTURE X143 VALUE SPACES.	00753VAL	754
00754	007540	05	XINTG	PICTURE X VALUE SPACES.	00754VAL	755
00755	007550	05	FILLER	PICTURE X183 VALUE SPACES.	00755VAL	756
00756	007560	05	XGEN	PICTURE X VALUE SPACES.	00756VAL	757
00757	007570	05	FILLER	PICTURE X131 VALUE SPACES.	00757VAL	758
00758	007580	05	XCDP	PICTURE ZZZZ.	00758VAL	759
00759	007590	05	FILLER	PICTURE X123 VALUE SPACES.	00759VAL	760
00760	007600	05	XEIN	PICTURE ZZZZ.	00760VAL	761
00761	007610				00761VAL	762
00762	007620				00762VAL	763
00763	007630				00763VAL	764
00764	007640	01	NEW-LINE-1.	PIC X VALUE SPACES.	00764VAL	765
00765	007650	05	FILLER	PIC X163 VALUE "SEQ-WO".	00765VAL	766
00766	007660	05	FILLER	PIC X153 VALUE SPACES.	00766VAL	767
00767	007670	05	FILLER	PIC X153 VALUE "UID".	00767VAL	768
00768	007680	05	FILLER	PIC X123 VALUE SPACES.	00768VAL	769
00769	007690	05	FILLER	PIC X163 VALUE "RANK".	00769VAL	770
00770	007700	05	FILLER	PIC X173 VALUE SPACES.	00770VAL	771
00771	007710	05	FILLER	PIC X173 VALUE SPACES.	00771VAL	772
00772	007720	05	FILLER	PIC X123 VALUE "NOMENCLATURE".	00772VAL	773
00773	007730	05	FILLER	PIC X1303 VALUE SPACES.	00773VAL	774
00774	007740	05	FILLER	PIC X153 VALUE "SSN /".	00774VAL	775
00775	007750	05	FILLER	PIC X163 VALUE SPACES.	00775VAL	776
00776	007760	05	FILLER	PIC X143 VALUE "CGO".	00776VAL	777
00777	007770	05	FILLER	PIC X1343 VALUE	00777VAL	778
00778	007780				00778VAL	779
00779	007790	05	FILLER	PIC X1193 VALUE "EOP - OUT SP SH".	00779VAL	780
00780	007800	05	FILLER	PIC X1113 VALUE "PLANE PAY".	00780VAL	781
00781	007810				00781VAL	782
00782	007820	01	NEW-LINE-2.	PIC X1483 VALUE SPACES.	00782VAL	783
00783	007830	05	FILLER	PIC X1203 VALUE "Y OVERLAP CD LTH".	00783VAL	784
00784	007840	05	FILLER	PIC X1183 VALUE "WITH HTH WEIGHT".	00784VAL	785
00785	007850	05	FILLER	PIC X1153 VALUE "CG PRI LTRK".	00785VAL	786
00786	007860	05	FILLER	PIC X183 VALUE "SIZ".	00786VAL	787
00787	007870	05	FILLER	PIC X183 VALUE "NO NO NEEDED".	00787VAL	788
00788	007880	05	FILLER		00788VAL	789
00789	007890				00789VAL	790
00790	007900	01	NEW-LINE-3.		00790VAL	791
00791	007910	03	N-LINE-3-SEQ.	PIC X VALUE SPACES.	00791VAL	792
00792	007920	05	FILLER	PIC ZZZZZZ.	00792VAL	793
00793	007930	05	N-SEQ	PIC XX VALUE SPACES.	00793VAL	794
00794	007940	05	FILLER		00794VAL	795
00795	007950				00795VAL	796
00796	007960	03	N-LINE-3-BODY.	PIC X171.	00796VAL	797
00797	007970	05	N-UID	PIC XX.	00797VAL	798
00798	007980	05	FILLER		00798VAL	799



00799	007990	05	N-RANK	PIC XX.	000
00800	008000	05	FILLER	PIC XX.	001
00801	008010	05	N-NUMEN.		002
00802	008020	07	N-NUMEN-1	PIC X(17).	003
00803	008030	07	N-NUMEN-2	PIC X(16).	004
00804	008040	05	FILLER	PIC XX.	005
00805	008050	05	N-SSN	PIC 9(9).	006
00806	008060	05	N-SSN-R	REDEFINES N-SSN.	007
00807	008070	07	FILLER	PIC X(3).	008
00808	008080	07	N-TR-OV	PIC XX.	009
00809	008090	07	FILLER	PIC XX.	010
00810	008100	05	FILLER	PIC XX.	011
00811	008110	05	N-CGO-CD	PIC XX.	012
00812	008120	05	FILLER	PIC XX.	013
00813	008130	05	N-LTH	PIC 999.	014
00814	008140	05	FILLER	PIC XX.	015
00815	008150	05	N-MTH	PIC 999.	016
00816	008160	05	FILLER	PIC XX.	017
00817	008170	05	N-MTH	PIC 999.	018
00818	008180	05	FILLER	PIC XX.	019
00819	008190	05	N-WEIGHT	PIC 9(6).	020
00820	008200	05	FILLER	PIC XX.	021
00821	008210	05	N-CE	PIC 999.	022
00822	008220	05	FILLER	PIC XX.	023
00823	008230	05	N-PRI	PIC 999.	024
00824	008240	05	FILLER	PIC XX.	025
00825	008250	05	N-LINK	PIC X(6).	026
00826	008260	05	FILLER	PIC XX.	027
00827	008270	05	N-OUT-S	PIC 999.	028
00828	008280	05	FILLER	PIC XX.	029
00829	008290	05	N-SPHO	PIC X.	030
00830	008300	05	FILLER	PIC XX.	031
00831	008310	05	N-SHREQ	PIC X.	032
00832	008320	05	FILLER	PIC XX.	033
00833	008330	03	N-LINE-3-AC-REQ.		034
00834	008340	05	FILLER	PIC XX	035
00835	008350	05	FILLER	VALUE = 1.	036
00836	008360	05	N-PLANE	PIC X(5).	037
00837	008370	05	FILLER	PIC XXX	038
00838	008380	05	N-PAX	PIC X.	039
00839	008390	05	FILLER	PIC XX	040
				VALUE = 1.	

00840	008400	PROCEDURE DIVISION.	00840VAL	841
00841	008410	*****	00841VAL	842
00842	008420		00842VAL	843
00843	008430	HOUSE KEEPING	00843VAL	844
00844	008440		00844VAL	845
00845	008450	*****	00845VAL	846
00846	008460	HS-RPG SECTION.	00846VAL	847
00847	008470	HOUSE-KEEPING.	00847VAL	848
00848	008480	MOVE 0 TO AC-ASGN-FLG.	00848VAL	849 0247
00849	008490	MOVE 0 TO APLUS MO-PR SEQAC.	00849VAL	850 0241 0346 0242
00850	008500	MOVE 3 TO LINE-COUNT.	00850VAL	851 0226
00851	008510	MOVE ZEROS TO PAS-DATA-HOLD-AREA.	00851VAL	852 0321
00852	008520	DATE-SET.	00852VAL	853
00853	008530	ACCEPT GETDATE FROM DATE.	00853VAL	854 0633
00854	008540	MOVE CURRENT-DATE TO GETDATE.	00854VAL	855
00855	008550	IF D-SL1 = -/- AND D-SL2 = -/-	00855VAL	856 0635 0637
00856	008560	MOVE D-CHARS TO DC-CHAR2	00856VAL	857 0636
00857	008570	MOVE D-CHAR2 TO DC-CHARS	00857VAL	858 0607 0634
00858	008580	MOVE D-CHAR8 TO DC-CHAR8	00858VAL	859 0809 0638
00859	008590	ELSE	00859VAL	860 0611
00860	008600	MOVE D-CHAR4 TO DC-CHAR8	00860VAL	861 0641
00861	008610	MOVE D-CHAR6 TO DC-CHAR2	00861VAL	862 0611 0642
00862	008620	MOVE D-CHAR8 TO DC-CHARS	00862VAL	863 0607 0638 0609
00863	008630	ACCEPT GETTIME FROM TIME.	00863VAL	864 0628
00864	008640	MOVE TIME-OF-DAY TO GETTIME.	00864VAL	865
00865	008650	MOVE CORRESPONDING GETTIME TO TIME-AREA.	00865VAL	866 0628 0613
00866	008660	DATE-SET-EXIT.	00866VAL	867
00867	008670	EXIT.	00867VAL	868
00868	008680	HOUSE-RIGHT-ON.	00868VAL	869
00869	008690	OPEN OUTPUT PRINTER-FILE.	00869VAL	870 0120
00870	008700	MOVE - PRE DIAGNOSTICS - TO USER-TITL1.	00870VAL	871 0625
00871	008710	WRITE PRINTER-RECORD FROM USER-TITLE AFTER ADVANCING	00871VAL	872 0123 0622
00872	008720	TOP-OF-PAGE.	00872VAL	873 0004
00873	008730	OPEN OUTPUT AIRCRAFT-FILE INDX-AIR.	00873VAL	874 0129 0141
00874	008740	SORT CARDS	00874VAL	875
00875	008750		00875VAL	876
00876	008760		00876VAL	877
00877	008770	SORT SORT-FILE	00877VAL	878 0038
00878	008780	ASCENDING KEY KEY-1	00878VAL	879
00879	008790	ASCENDING KEY KEY-3	00879VAL	880 0044
00880	008800	ASCENDING KEY KEY-2	00880VAL	881 0042
00881	008810	ASCENDING KEY KEY-4	00881VAL	882 0045
00882	008820	INPUT PROCEDURE N-AND-EXP	00882VAL	883 0067
00883	008830	GIVING SRD-CDS.	00883VAL	884 0156
00884	008840	CLOSE CD-RO.	00884VAL	885 0151
00885	008850	MOVE SPACES TO USER-TITL1.	00885VAL	886 0625
00886	008860	SORT SORT-FILE	00886VAL	887 0038
00887	008870	ASCENDING KEY VAM-5	00887VAL	888
00888	008880	DESCENDING KEY XCODE-5	00888VAL	889 0052
00889	008890	INPUT PROCEDURE READ-AND-VALIDATE	00889VAL	890 0059
00890	008900	OUTPUT PROCEDURE BUILD-TEMP-FILE.	00890VAL	891
00891	008910	CLOSE SRD-CDS TEMP-FILE.	00891VAL	892 0156 0168
00892	008920	CLOSE AIRCRAFT-FILE.	00892VAL	893 0129
00893	008930	MOVE 1 TO MO-AC.	00893VAL	894 0227
00894	008940	SORT SORT-FILE	00894VAL	895 0038
00895	008950	ASCENDING KEY ACFT-PRI	00895VAL	896
00896	008960	DESCENDING KEY ACFT-CODE	00896VAL	897 0077



00897	008970	ASCENDING KEY AN-KEY	00897VAL	898	0078
00898	008980	USING AIRCRAFT-FILE	00898VAL	899	0075 0129
00899	008990	OUTPUT PROCEDURE BLD-AIR.	00899VAL	900	
00900	009000	OPEN INPUT AIRCRAFT-FILE.	00900VAL	901	0129
00901	009010	SORT SORT-FILE	00901VAL	902	0038
00902	009020	ASCENDING KEY PRIORITY	00902VAL	903	
00903	009030	ASCENDING KEY BUMP-WO	00903VAL	904	0069
00904	009040	DESCENDING KEY XCODE-S	00904VAL	905	0054
00905	009050	USING TEMP-FILE	00905VAL	906	0059 0168
00906	009060	OUTPUT PROCEDURE BUILD-MASTER-FILE.	00906VAL	907	
00907	009070	BUILD COMFORT PALLET	00907VAL	908	
00908	009080	MOVE ZEROS TO MASTER-RECORD.	00908VAL	909	
00909	009090	MOVE 99999999 TO KEY-MFB KEY-MFN.	00909VAL	910	
00910	009100	MOVE "COMFORT PALLET" TO MR-MAM.	00910VAL	911	0185
00911	009110	WRITE MASTER-RECORD INVALID KEY	00911VAL	912	0186 0223
00912	009120	DISPLAY = KEY-MFB = " KEY-MFB	00912VAL	913	0190
00913	009130	GO TO CLOSE-SHOP.	00913VAL	914	0185
00914	009140	CLOSE MASTER-FILE.	00914VAL	915	
00915	009150	CLOSE AVAIL-PASS-FILE.	00915VAL	916	0186
00916	009160	GO TO CLOSE-SHOP.	00916VAL	917	0180
00917	009170	R-AND-EXP SECTION.	00917VAL	918	0080
00918	009180	OPN-FILE.	00918VAL	919	
00919	009190	OPEN INPUT CO-RO.	00919VAL	920	
00920	009200	GO-RO.	00920VAL	921	
00921	009210	READ CO-RO AT END GO TO EOF-CDS.	00921VAL	922	0151
00922	009220	ADD 1 TO CARD-MO.	00922VAL	923	
00923	009230	MOVE CARD-IN TO COI.	00923VAL	924	0151
00924	009240	EXAMINE S-N-X REPLACING LEADING SPACES BY ZEROS.	00924VAL	925	0222
00925	009250	IF S-N-X NOT NUMERIC MOVE ZEROS TO S-N-X.	00925VAL	926	0155 0395
00926	009260	IF 1 LESS THAN 9999 ADD 1 TO 1.	00926VAL	927	0429
00927	009270	IF S-N = ZEROS MOVE 1 TO S-N.	00927VAL	928	0429 0529
00928	009280	IF CD-TYPE = "1" AND INTEGRITY NOT = SPACE	00928VAL	929	0239 0239
00929	009290	MOVE HIGH-VALUE TO FINTEG.	00929VAL	930	0428 0239 0428
00930	009300	IF CD-TYPE = "5" AND AC-NO NOT = SPACES	00930VAL	931	0427 0409
00931	009310	MOVE HIGH-VALUE TO FINTEG.	00931VAL	932	0362
00932	009320	IF CD-TYPE = "5" AND AC-NO NOT = SPACES	00932VAL	933	0427 0513
00933	009330	MOVE HIGH-VALUE TO FINTEG.	00933VAL	934	0362
00934	009340	IF CD-TYPE = "3" MOVE HIGH-VALUE TO CU-IND FINTEG.	00934VAL	935	0427 0249 0342
00935	009350	IF CD-TYPE = "3" MOVE UID TO SAV3-UID (S-N)	00935VAL	936	0427 0471 0258 0428
00936	009360	MOVE SPACES TO UID.	00936VAL	937	0471
00937	009370	IF CD-TYPE = "1" OR CD-TYPE = "2" OR CD-TYPE = "4" = DR	00937VAL	938	0427 0427 0427
00938	009380	CD-TYPE = "3" MOVE 1 TO J	00938VAL	939	0427
00939	009390	GO TO RELEASE-TO-SORT.	00939VAL	940	0260
00940	009400	IF CD-TYPE = "5" MOVE "9" TO CD-TYPE	00940VAL	941	0427
00941	009410	GO TO CK-FOR-MULT-AIR.	00941VAL	942	0427
00942	009420	IF CD-TYPE = "6" GO TO CK-FOR-MULT-A.	00942VAL	943	0427
00943	009430	DISPLAY = INVALID CD-TYPE = COI = REJECTED *.	00943VAL	944	0395
00944	009440	ADD 1 TO PCJ-CTR.	00944VAL	945	0207
00945	009450	GO TO GO-GO.	00945VAL	946	
00946	009460	CK-FOR-MULT-AIR.	00946VAL	947	
00947	009470	SAVE MODEL & FIRST 2 DIGITS OF ACL THEN SPACE IT	00947VAL	948	
00948	009480	NON-T SCREEN SORT UP	00948VAL	949	
00949	009490	MOVE UID TO SAV-MOD.	00949VAL	950	
00950	009500	MOVE SPACES TO UID.	00950VAL	951	
00951	009510	EXAMINE QTY REPLACING LEADING SPACE BY ZEROS.	00951VAL	952	0471 0468
00952	009520		00952VAL	953	0471
00953	009530		00953VAL	954	0456

00954 009540 IF QTY = ZEROS MOVE I TO J  
GO TO RELEASE-TO-SORT. 00954VAL 955 0456  
00955 009550 IF QTY NUMERIC MOVE QTY-9 TO J  
ELSE MOVE I TO J. 00955VAL 956 0240  
00956 009560 GO TO RELEASE-TO-SORT. 00956VAL 957 0456 0457  
00957 009570 CK-FOR-MULT-6. 00957VAL 958 0240 0240  
00958 009580 REPLACE ALPHA 0 WITH NUMERIC 0.  
MOVE 0 TO TALLY. 00958VAL 959  
00959 009590 EXAMINE REPP TALLYING ALL "0".  
IF TALLY = 0 NEXT SENTENCE 00959VAL 960  
00960 009600 ELSE DISPLAY 00960VAL 961 0000  
00961 009610 - THE FOLLOWING CARD HAS ALPHA 0 NOT NUMERIC 0 IN THE QUANTITY  
- Y FIELD COLUMNS 72-74 THIS HAS BEEN CORRECTED - 00961VAL 962 0453  
00962 009620 DISPLAY CDI 00962VAL 963 0000  
00963 009630 EXAMINE REPP REPLACING ALL "0" BY "0". 00963VAL 964 0000  
00964 009640 EXAMINE REPP REPLACING LEADING SPACES BY ZEROS. 00964VAL 965  
00965 009650 IF REPP = ZEROS MOVE I TO J 00965VAL 966  
00966 009660 GO TO RELEASE-TO-SORT. 00966VAL 967  
00967 009670 IF REPP NUMERIC MOVE REPP-Y TO J 00967VAL 968 0395 0483  
00968 009680 ELSE 00968VAL 969 0483  
00969 009690 MOVE I TO J 00969VAL 970 0240  
00970 009700 DISPLAY "BAD DATA IN QTY FIELD COL 72-74 REPLACED BY 1" 00970VAL 971 0483  
00971 009710 DISPLAY = CDI. 00971VAL 972 0240  
00972 009720 IF J = 1 GO TO RELEASE-TO-SORT. 00972VAL 973 0483 0484  
00973 009730 IF EQ-LNKE = SPACES GO TO RELEASE-TO-SORT. 00973VAL 974 0240  
00974 009740 DISPLAY = BUMPER NUMBER AND QUANTITY FIELD ARE IN CONFLICT = 00974VAL 975  
00975 009750 - IN THE FOLLOWING CARD = 00975VAL 976 0240  
00976 009760 DISPLAY = CDI. 00976VAL 977 0395  
00977 009770 DISPLAY = BUMPER NUMBER = EQ-LNKE = QUANTITY = J. 00977VAL 978 0240  
00978 009780 MOVE I TO J. 00978VAL 979 0504  
00979 009790 DISPLAY = BECAUSE OF THIS CONFLICT, THE QUANTITY FIELD HAS = 00979VAL 980  
00980 009800 - BEEN CHANGED TO 1 -. 00980VAL 981  
00981 009810 RELEASE-TO-SORT. 00981VAL 982 0395  
00982 009820 MOVE CDI TO S1. 00982VAL 983 0504 0240  
00983 009830 MOVE CARD-MD TO C-S1. 00983VAL 984 0240  
00984 009840 MOVE HIGH-VALUE TO KEY-4. 00984VAL 985  
00985 009850 IF CD-TYPE = -9- AND TM NOT = SPACES 00985VAL 986  
00986 009860 MOVE LOW-VALUE TO KEY-4 00986VAL 987  
00987 009870 MOVE I TO AC-ASGN-FLG. 00987VAL 988 0395 0041  
00988 009880 RELEASE S1. 00988VAL 989 0222 0046  
00989 009890 SUBTRACT 1 FROM J. 00989VAL 990 0047  
00990 009900 IF J = ZEROS GO TO GO-GO. 00990VAL 991 0427 0460  
00991 009910 GO TO RELEASE-TO-SORT. 00991VAL 992  
00992 009920 RELEASE S1. 00992VAL 993 0047 0247  
00993 009930 SUBTRACT 1 FROM J. 00993VAL 994 0041  
00994 009940 IF J = ZEROS GO TO GO-GO. 00994VAL 995 0260  
00995 009950 GO TO RELEASE-TO-SORT. 00995VAL 996 0260  
00996 009960 EOF-CDS. 00996VAL 997  
00997 009970 EXIT. 00997VAL 998  
00998 009980 READ-AND-VALIDATE SECTION. 00998VAL 999  
00999 009990 READ-AND-VALIDATE-SECTION. 00999VAL 1000  
1000 010000 OPEN INPUT SRD-CDS. 01000VAL 1001  
01001 010010 OPEN OUTPUT TEMP-FILE. 01001VAL 1002 0156  
01002 010020 IF FIRST-TIME MOVE "N" TO FTIME. 01002VAL 1003 0188  
01003 010030 READ-DATA-CO. 01003VAL 1004 0231 0230  
01004 010040 READ SRD-CDS AT END GO TO READ-AND-VALIDATE-EXIT. 01004VAL 1005  
01005 010050 MOVE = TO FLAG-X. 01005VAL 1006 0156  
01006 010060 MOVE CD-SRT TO CDI. 01006VAL 1007 0265  
01007 010070 IF CD-TYPE = -9- MOVE -5- TO CD-TYPE 01007VAL 1008 0164 0395  
01008 010080 IF CD-TYPE = -5- MOVE SAV-MOD TO UID 01008VAL 1009 0427 0468  
01009 010090 MOVE SPACES TO SAV-MOD. 01009VAL 1010 0427 0468  
01010 010100 01010VAL 1011 0471 0468

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01011 010110 IF CO-TYPE = "3" MOVE SAV3-UID (5-N) TO UID
01012 010120 MOVE SPACES TO SAV3-UID (5-N).
01013 010130 IF ROY-FOR-CDI GO TO PROCESS-TYPE-1.
01014 010140 CONT-Others.
01015 010150 IF CO-TYPE = "1" AND CDI-PROCESSED
01016 010160 DISPLAY = MORE THAN 1 CARD TYPE 1 THE FOLLOWING CARD IS -
01017 010170 "NOT UTILIZED" CDI
01018 010180 GO TO READ-DATA-CD.
01019 010190 IF CO-TYPE = "2" GO TO PROCESS-TYPE-2.
01020 010200 IF CO-TYPE = "3" GO TO PROCESS-TYPE-3.
01021 010210 IF CO-TYPE = "4" GO TO PROCESS-TYPE-4.
01022 010220 IF CO-TYPE = "5" GO TO PROCESS-TYPE-5.
01023 010230 IF CO-TYPE = "6" GO TO PROCESS-TYPE-6.
01024 010240 PROCESS-TYPE-1.
01025 010250 IF CO-TYPE = "1" GO TO CONT-CDI.
01026 010260
01027 010270 NO CARD 1 ASSUME ALL DEFAULT VALUES AND CONTINUE
01028 010280 MOVE "0" TO FTIME.
01029 010290 GO TO CONT-OTHERS.
01030 010300 CONT-CDI.
01031 010310 IF NOLIST = SPACE NEXT SENTENCE
01032 010320 ELSE MOVE LOW-VALUE TO FLIST
01033 010330 MOVE "X" TO XLIST.
01034 010340 IF DECK = SPACE NEXT SENTENCE
01035 010350 ELSE MOVE HIGH-VALUE TO FDECK
01036 010360 MOVE "X" TO XDECK.
01037 010370 IF NUBAL = SPACE NEXT SENTENCE
01038 010380 ELSE MOVE LOW-VALUE TO FPLAN
01039 010390 MOVE "X" TO XDLAG.
01040 010400 IF NOMATEING = SPACE NEXT SENTENCE
01041 010410 ELSE MOVE LOW-VALUE TO FMATE
01042 010420
01043 010430
01044 010440 FORCE NO TELESCOPE IF NOMATE OPTION SET.
01045 010450 MOVE "X" TO TELESCOPING
01046 010460
01047 010470 MOVE "X" TO IMATE.
01048 010480 IF TELESCOPING = SPACE NEXT SENTENCE
01049 010490 ELSE MOVE LOW-VALUE TO FTELE
01050 010500 MOVE "X" TO XTELE.
01051 010510 IF PRITY = SPACE NEXT SENTENCE
01052 010520 ELSE MOVE LOW-VALUE TO FPRIO
01053 010530 MOVE "X" TO XPRIO.
01054 010540 IF INTEGRITY = SPACE NEXT SENTENCE
01055 010550 ELSE MOVE HIGH-VALUE TO FINTEG
01056 010560 MOVE "X" TO XINTG.
01057 010570 IF GEN-ARCT = SPACE NEXT SENTENCE
01058 010580 ELSE MOVE HIGH-VALUE TO FGEN
01059 010590 MOVE "X" TO XGEN.
01060 010600 MOVE COPIES-9 TO NO-COPIES.
01061 010610 EXAMINE NO-COPIES-X REPLACING LEADING SPACES BY ZEROS.
01062 010620 IF NO-COPIES-X NUMERIC NEXT SENTENCE
01063 010630 ELSE
01064 010640 MOVE 1 TO NO-COPIES.
01065 010650 IF LMS NUMERIC MOVE LMS-9 TO LNCMT.
01066 010660
01067 010670 IF TELESCOPING FORCE MATING

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01017VAL 1012 0427 0258 0428
01012VAL 1013 0471 0258 0428
01013VAL 1014 0232
01014VAL 1015
01015VAL 1016 0427
01016VAL 1017 0233
01017VAL 1018
01018VAL 1019 0395
01019VAL 1020 0427
01020VAL 1021 0427
01021VAL 1022 0427
01022VAL 1023 0427
01023VAL 1024 0427
01024VAL 1025
01025VAL 1026 0427
01026VAL 1027
01027VAL 1028
01028VAL 1029 0230
01029VAL 1030
01030VAL 1031
01031VAL 1032 0397
01032VAL 1033
01033VAL 1034 0336 0742
01034VAL 1035 0399
01035VAL 1036
01036VAL 1037 0337 0744
01037VAL 1038 0401
01038VAL 1039
01039VAL 1040 0338 0746
01040VAL 1041 0403
01041VAL 1042
01042VAL 1043
01043VAL 1044
01044VAL 1045
01045VAL 1046 0339
01046VAL 1047
01047VAL 1048 0405 0748
01048VAL 1049 0405
01049VAL 1050
01050VAL 1051 0340 0750
01051VAL 1052 0407
01052VAL 1053
01053VAL 1054 0341 0752
01054VAL 1055 0409
01055VAL 1056
01056VAL 1057 0342 0754
01057VAL 1058 0411
01058VAL 1059
01059VAL 1060 0343 0756
01060VAL 1061 0414 0344
01061VAL 1062 0345
01062VAL 1063 0345
01063VAL 1064
01064VAL 1065 0344
01065VAL 1066 0416 0417 0267
01066VAL 1067
01067VAL 1068

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01068	010680*			01068VAL	1069
01069	010690	IF FTELE = HIGH-VALUE MOVE HIGH-VALUE TO FTELE.		01069VAL	1070 0340 0339
01070	010700	MOVE "0" TO FTIME.		01070VAL	1071 0230
01071	010710*			01071VAL	1072
01072	010720*	CHECK TO SEE IF C-130 AIRCRAFT SORT BEFORE C-141.		01072VAL	1073
01073	010730*			01073VAL	1074
01074	010740	IF AC-PRI-SW = SPACE NEXT SENTENCE		01074VAL	1075 0422
01075	010750	ELSE MOVE "X" TO C-130-BEFORE-C-141.		01075VAL	1076 0211
01076	010760	GO TO READ-DATA-CD.		01076VAL	1077
01077	010770	PROCESS-TYPE-2.		01077VAL	1078
01078	010780	MOVE TTTL TO USER-TTTL1 USER-TTTL2.		01078VAL	1079 0431 0625 0347
01079	010790	PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.		01079VAL	1080
01080	010800	MOVE "2" TO FTIME.		01080VAL	1081 0230
01081	010810	GO TO READ-DATA-CD.		01081VAL	1082
01082	010820	PROCESS-TYPE-3.		01082VAL	1083
01083	010830	IF CD3-PROCESSED GO TO CONT-CD3.		01083VAL	1084 0235
01084	010840	IF CD2-PROCESSED GO TO CONT-CD3.		01084VAL	1085 0234
01085	010850	MOVE "NO TITLE CARD" TO USER-TTTL1 USER-TTTL2.		01085VAL	1086 0625 0347
01086	010860	PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.		01086VAL	1087
01087	010870	CONT-CD3.		01087VAL	1088
01088	010880	MOVE "3" TO FTIME.		01088VAL	1089 0230
01089	010890	MOVE 0 TO I J.		01089VAL	1090 0239 0240
01090	010900	MOVE SPACES TO SHIFT-LEFT.		01090VAL	1091 0393
01091	010910	SET-PRIORITY-1.		01091VAL	1092
01092	010920	IF I GREATER THAN 75 GO TO READ-DATA-CD.		01092VAL	1093 0239
01093	010930	ADD 1 TO I.		01093VAL	1094 0239
01094	010940	IF COL80 (I) = SPACE OR		01094VAL	1095 0434 0239
01095	010950	COL80 (I) = "0" OR		01095VAL	1096 0434 0239
01096	010960	COL80 (I) = "+" GO TO SET-PRIORITY-2.		01096VAL	1097 0434 0239
01097	010970	ADD 1 TO J.		01097VAL	1098 0240
01098	010980	MOVE COL80 (I) TO LEFT-SHIFT (J).		01098VAL	1099 0434 0239 0394 0240
01099	010990	IF J GREATER THAN 7		01099VAL	1100 0240
01100	011000	DISPLAY = PROBLEM WITH PRIORITY DATA = CDI		01100VAL	1101
01101	011010	GO TO READ-DATA-CD.		01101VAL	1102 0395
01102	011020	GO TO SET-PRIORITY-1.		01102VAL	1103
01103	011030	SET-PRIORITY-2.		01103VAL	1104
01104	011040	IF J = 0 GO TO SET-PRIORITY-1.		01104VAL	1105 0240
01105	011050	MOVE SHIFT-LEFT TO UID-CL.		01105VAL	1106 0393 0356
01106	011060	MOVE 0 TO J.		01106VAL	1107 0240
01107	011070	ADD 1 TO XPLUS.		01107VAL	1108 0241
01108	011080	SET-PRIORITY-3.		01108VAL	1109
01109	011090	ADD 1 TO J.		01109VAL	1110 0240
01110	011100	IF J GREATER THAN NO-PR		01110VAL	1111 0240
01111	011110	MOVE J TO NO-PR		01111VAL	1112 0346 0240
01112	011120	GO TO SET-PRIORITY-4.		01112VAL	1113 0346
01113	011130	IF UID-PF (J) NOT = UID-CL GO TO SET-PRIORITY-3.		01113VAL	1114 0389 0240 0356
01114	011140	SET-PRIORITY-4.		01114VAL	1115
01115	011150	MOVE XPLUS TO POINTER (J).		01115VAL	1116 0241 0391 0240
01116	011160	MOVE UID-CL TO UID-PF (J).		01116VAL	1117 0356 0389 0240
01117	011170	MOVE 0 TO TOUCH-UP (J).		01117VAL	1118 0390 0240
01118	011180	MOVE " " TO CUN (J).		01118VAL	1119 0392 0240
01119	011190*			01119VAL	1120
01120	011200*	COMBINED WITH ANOTHER UNIT		01120VAL	1121
01121	011210*			01121VAL	1122
01122	011220	IF COL80 (I) = "0" MOVE "C" TO CUN (J).		01122VAL	1123 0434 0239 0392 0240
01123	011230	MOVE 0 TO J.		01123VAL	1124 0240
01124	011240	MOVE SPACES TO SHIFT-LEFT.		01124VAL	1125 0393

01125	011250	GO TO SET-PRIORITY-1.	01125VAL	1126
01126	011260	PROCESS-TYPE-4.	01126VAL	1127
01127	011270	MOVE 0 TO J.	01127VAL	1128
01128	011280	IF MODEL = "C-5" - MOVE 4 TO J.	01128VAL	1129
01129	011290	IF MODEL = "C-130" - MOVE 2 TO J.	01129VAL	1130
01130	011300	IF MODEL = "C-141" - MOVE 3 TO J.	01130VAL	1131
01131	011310	IF MODEL = "C-141" - MOVE 3 TO J.	01131VAL	1132
01132	011320	END PERFORM IN PROCESS-TYPE-5.	01132VAL	1133
01133	011330	STOP-THE-P-S-PERFORM.	01133VAL	1134
01134	011340	IF MODEL = "PAX"	01134VAL	1135
01135	011350	AND PAX-WT NUMERIC	01135VAL	1136
01136	011360	MOVE PAX-WT9 TO PAXWT	01136VAL	1137
01137	011370	GO TO READ-DATA-CD.	01137VAL	1138
01138	011380	MODEL-SET.	01138VAL	1139
01139	011390	IF J NOT = 0 GO TO CONT-TYPE-4.	01139VAL	1140
01140	011400		01140VAL	1141
01141	011410	INVALID MODEL	01141VAL	1142
01142	011420	INVALID-MODEL.	01142VAL	1143
01143	011430	DISP. Y - INVALID MODEL CARD REJECTED - CDI.	01143VAL	1144
01144	011440	GO TO READ-DATA-CD.	01144VAL	1145
01145	011450	CONT-TYPE-4.	01145VAL	1146
01146	011460	IF LTH NUMERIC	01146VAL	1147
01147	011470	MOVE LTH TO LTH-HOLD (J).	01147VAL	1148
01148	011480	IF WTH NUMERIC	01148VAL	1149
01149	011490	MOVE WTH TO WTH-HOLD (J).	01149VAL	1150
01150	011500	IF HTH NUMERIC	01150VAL	1151
01151	011510	MOVE HTH TO HTH-HOLD (J).	01151VAL	1152
01152	011520	IF WTC NUMERIC	01152VAL	1153
01153	011530	MOVE WTC TO WTC-HOLD (J).	01153VAL	1154
01154	011540	CONT-TYPE-4-PAS.	01154VAL	1155
01155	011550	EXAMINE PAX - REPLACING LEADING SPACES BY ZEROS.	01155VAL	1156
01156	011560	EXAMINE PAXN - REPLACING LEADING SPACES BY ZEROS.	01156VAL	1157
01157	011570	IF PAX NUMERIC AND PAX9 GREATER THAN 0	01157VAL	1158
01158	011580	MOVE PAX9 TO PAS-ONLY (J).	01158VAL	1159
01159	011590	IF PAXN NUMERIC AND PAXW9 GREATER THAN 0	01159VAL	1160
01160	011600	MOVE PAXW9 TO PAS-EQUIP (J).	01160VAL	1161
01161	011610	IF J = 1 AND PAX-WT NUMERIC	01161VAL	1162
01162	011620	MOVE PAX-WT TO ACL-HOLD (J)	01162VAL	1163
01163	011630	GO TO READ-DATA-CD.	01163VAL	1164
01164	011640	IF J = 1 GO TO READ-DATA-CD.	01164VAL	1165
01165	011650	IF ACL NUMERIC	01165VAL	1166
01166	011660	MOVE ACL TO ACL-HOLD (J).	01166VAL	1167
01167	011670	IF CG NUMERIC	01167VAL	1168
01168	011680	MOVE CG TO PCG-HOLD (J).	01168VAL	1169
01169	011690	IF J = 4 GO TO READ-DATA-CD.	01169VAL	1170
01170	011700	IF RATIO NUMERIC	01170VAL	1171
01171	011710	MOVE R9 TO R9 (J).	01171VAL	1172
01172	011720	GO TO READ-DATA-CD.	01172VAL	1173
01173	011730	PROCESS-TYPE-5.	01173VAL	1174
01174	011740		01174VAL	1175
01175	011750	IF MD-AC = ZERO OR LINE-COUNT GREATER THAN LMCNT	01175VAL	1176
01176	011760	MOVE - AIRCRAFT DIAGNOSTICS - TO MD-SUB	01176VAL	1177
01177	011770	PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT	01177VAL	1178
01178	011780	WRITE PRINTER-RECORD FROM SUB-HD AFTER ADVANCING 1.	01178VAL	1179
01179	011790	MOVE ALL - TO DIAGNOSTIC-AREA.	01179VAL	1180
01180	011800	MOVE 0 TO A-F.	01180VAL	1181
01181	011810	MOVE - TO FLAG-X.	01181VAL	1182



01182 011820 IF AC-MOD = "C-SA" MOVE "C-5" TO AC-MOD.  
01183 011830 PERFORM PROCESS-TYPE-4.  
01184 011840 IF J = 0  
01185 011850 MOVE "SS" TO FLAG-X  
01186 011860 MOVE MODEL TO D-ACMOD  
01187 011870 MOVE 1 TO A-F  
01188 011880 EXAMINE ACLS REPLACING LEADING SPACES BY ZEROS.  
01189 011890 EXAMINE PAXA REPLACING LEADING SPACES BY ZEROS.  
01190 011900 EXAMINE PAXAW REPLACING LEADING SPACES BY ZEROS.  
01191 011910 EXAMINE FLS REPLACING LEADING SPACES BY ZEROS.  
01192 011920 EXAMINE LLS REPLACING LEADING SPACES BY ZEROS.  
01193 011930 IF ACLS NOT NUMERIC MOVE ACLS TO D-ALHWT  
01194 011940 MOVE ACL-HOLD LJT TO ACLS  
01195 011950 MOVE "SS" TO FLAG-X.  
01196 011960 IF ACLS = ZEROS MOVE ACL-HOLD LJT TO ACLS.  
01197 011970 IF PAXA NOT NUMERIC MOVE PAXA TO D-PAX  
01198 011980 MOVE ZEROS TO PAXA  
01199 011990 MOVE "SS" TO FLAG-X.  
01200 012000 IF PAXAW NOT NUMERIC MOVE PAXAW TO D-PAXW  
01201 012010 MOVE ZEROS TO PAXAW  
01202 012020 MOVE "SS" TO FLAG-X.  
01203 012030 IF FLS NOT NUMERIC MOVE FLS TO D-FLS  
01204 012040 MOVE ZEROS TO FLS  
01205 012050 MOVE "SS" TO FLAG-X.  
01206 012060 IF LLS NOT NUMERIC MOVE LLS TO D-LLS  
01207 012070 MOVE ZEROS TO LLS  
01208 012080 MOVE "SS" TO FLAG-X.  
01209 012090 IF TN = SPACES AND AC-ASGN-FLG NOT = 0  
01210 012100 MOVE 1 TO A-F  
01211 012110 MOVE ALL "X" TO D-TAILNO  
01212 012120 MOVE "SS" TO FLAG-X.  
01213 012130 IF A-F = 1 GO TO ACFT-DIAG-OUTPUT.  
01214 012140  
01215 012150\* BUILD ACFT RECORD  
01216 012160  
01217 012170 ADD 1 TO NO-AC.  
01218 012180 ADD 1 TO NO-HOLD LJT.  
01219 012190 ADD 1 TO NO-FILL.  
01220 012200 MOVE LOW-VALUE TO FGEN.  
01221 012210 MOVE NO-AC TO KEY-AIR.  
01222 012220 MOVE AFCHD TO CARRIER.  
01223 012230 MOVE MODEL TO AC-MOD.  
01224 012240 MOVE TN TO AC-MO.  
01225 012250 MOVE MN TO MISSION.  
01226 012260 MOVE DEP TO DEP-AFLD.  
01227 012270 MOVE ARR TO ARR-AFLD.  
01228 012280 MOVE ACLS TO ALW-HT-A.  
01229 012290 MOVE PAXA TO PASS-LMT-A.  
01230 012300 MOVE PAXAW TO EP9.  
01231 012310 MOVE FLS TO FLS9.  
01232 012320 MOVE LLS TO LLS9.  
01233 012330 MOVE CPA TO CONF-PAL.  
01234 012340 IF CONF-PAL = SPACE MOVE ZERO TO CONF-PAL.  
01235 012350 IF AC-MOD NOT = "C-141" MOVE ZERO TO CONF-PAL.  
01236 012360 IF CONF-PAL NOT = ZERO MOVE "1" TO CONF-PAL.  
01237 012370 MOVE AIR-CFT TO AIRCRAFT-REC.  
01238 012380 IF AC-MU = SPACES  
01182VAL 1183 0512 0512  
01183VAL 1184  
01184VAL 1185 0260  
01185VAL 1186  
01186VAL 1187 0245 0436  
01187VAL 1188 0557 0243  
01188VAL 1189 0455  
01189VAL 1190 0462  
01190VAL 1191 0463  
01191VAL 1192 0464  
01192VAL 1193 0465  
01193VAL 1194 0455  
01194VAL 1195 0558 0312 0240  
01195VAL 1196 0455 0245  
01196VAL 1197 0455 0312 0240 0455  
01197VAL 1198 0462 0462  
01198VAL 1199 0564  
01199VAL 1200 0462 0245  
01200VAL 1201 0463 0463  
01201VAL 1202 0565  
01202VAL 1203 0463 0245  
01203VAL 1204 0464 0464  
01204VAL 1205 0566  
01205VAL 1206 0464 0245  
01206VAL 1207 0465 0465  
01207VAL 1208 0567  
01208VAL 1209 0465 0245  
01209VAL 1210 0460 0247  
01210VAL 1211  
01211VAL 1212 0243  
01212VAL 1213 0562 0245  
01213VAL 1214 0243  
01214VAL 1215  
01215VAL 1216  
01216VAL 1217  
01217VAL 1218 0227  
01218VAL 1219 0316 0260  
01219VAL 1220 0270  
01220VAL 1221 0363  
01221VAL 1222 0227 0510  
01222VAL 1223 0467 0511  
01223VAL 1224 0436 0512  
01224VAL 1225 0460 0513  
01225VAL 1226 0461 0514  
01226VAL 1227 0458 0515  
01227VAL 1228 0459 0516  
01228VAL 1229 0455 0517  
01229VAL 1230 0462 0519  
01230VAL 1231 0463 0522  
01231VAL 1232 0464 0524  
01232VAL 1233 0465 0526  
01233VAL 1234 0466 0527  
01234VAL 1235 0527 0527  
01235VAL 1236 0512 0527  
01236VAL 1237 0527 0527  
01237VAL 1238 0509 0137  
01238VAL 1239 0513

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01239 012390 MOVE 99 TO MPRI
01240 012400 GO TO SET-AC-TYPE.
01241 012410 MOVE HIGH-VALUE TO FINTEG.
01242 012420 MOVE "X" TO XINTG.
01243 012430 MOVE 1 TO MPRI.
01244 012440 SET-AC-PRI.
01245 012450 IF AC-MD NOT = UID-PP IMPRI GO TO INC-AC-PRI.
01246 012460 IF CUN (MPRI) NOT = "C" GO TO SET-AC-TYPE.
01247 012470 MOVE MPRI TO NTEMP.
01248 012480 SET-AC-COOR.
01249 012490 ADD 1 TO NTEMP.
01250 012500 IF CUN (NTEMP) NOT = "C"
01251 012510 MOVE NTEMP TO MPRI.
01252 012520 GO TO SET-AC-TYPE.
01253 012530 IF NTEMP LESS THAN MD-PR GO TO SET-AC-COOR.
01254 012540 INC-AC-PRI.
01255 012550 ADD 1 TO MPRI.
01256 012560 IF MPRI NOT GREATER THAN MD-PR GO TO SET-AC-PRI.
01257 012570 MOVE 00 TO MPRI.
01258 012580 IF THE AIRCRAFT DOES NOT MATCH ANY UID
01259 012590 MOVE 0 TO ITS PRIORITY SO THAT IT WILL NOT
01260 012600 BE ASSIGNED TO A UNIT BY MISTAKE.
01261 012610 SET-AC-TYPE.
01262 012620 MOVE MPRI TO AC-PRI.
01263 012630 IF AC-MD = "C-5" OR AC-MD = "C-5A" MOVE "0" TO AC-CODE.
01264 012640 IF AC-MD = "C-141" MOVE "C" TO AC-CODE.
01265 012650 IF AC-MD = "C-130" MOVE "B" TO AC-CODE.
01266 012660 IF C-130 IS TO BE SORTED BEFORE C-141 CHANGE THE SORT CODES.
01267 012670 IF C-130 IS TO BE SORTED BEFORE C-141 CHANGE THE SORT CODES.
01268 012680 IF C-130 IS TO BE SORTED BEFORE C-141 CHANGE THE SORT CODES.
01269 012690 IF C-130 IS TO BE SORTED BEFORE C-141 CHANGE THE SORT CODES.
01270 012700 IF C-130-BEFORE-C-141 = SPACES NEXT SENTENCE
01271 012710 ELSE IF AC-MD = "C-141" MOVE "B" TO AC-CODE.
01272 012720 IF C-130-BEFORE-C-141 = SPACES NEXT SENTENCE
01273 012730 ELSE IF AC-MD = "C-130" MOVE "C" TO AC-CODE.
01274 012740 WRITE AIRCRAFT-REC.
01275 012750 ADD 1 TO AIR-CTR.
01276 012760 ACFT-DIAG-OUTPUT.
01277 012770 IF A-F = 1 MOVE "REJECT" TO CLASS-AREA.
01278 012780 IF A-F = 0 AND FLAG-X = " " GO TO READ-DATA-CD.
01279 012790 MOVE MD-AC TO SEQUENCE.
01280 012800 MOVE CARD-N TO D-SEQ.
01281 012810 MOVE CDS TO AIRCRAFT-LIST.
01282 012820 WRITE PRINTER-RECORD FROM AIRCRAFT-DIAGNOSTIC
01283 012830 AFTER ADVANCING 2.
01284 012840 WRITE PRINTER-RECORD FROM LIST-AREA AFTER ADVANCING 1.
01285 012850 ADD 3 TO LINE-COUNT.
01286 012860 GO TO READ-DATA-CD.
01287 012870 PROCESS-TYPE-6.
01288 012880 IF TIME = "0" NEXT SENTENCE
01289 012890 ELSE
01290 012900 MOVE "6" TO FTIME
01291 012910 MOVE "DIAGNOSTICS OF INPUT" TO MD-SUB
01292 012920 PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT
01293 012930 WRITE PRINTER-RECORD FROM SUB-MD AFTER ADVANCING 1.
01294 012940 MOVE ALL " " TO DIAGNOSTIC-AREA.
01295 012950

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01296 012960 MOVE SPACES TO CARGO-LIST.
01297 012970 MOVE SPACES TO CLASS-AREA.
01298 012980 MOVE 0 TO A-F.
01299 012990 IF CU-IND = LOW-VALUE NEXT SENTENCE
01300 013000 ELSE
01301 013010 IF FINTEG = LOW-VALUE NEXT SENTENCE
01302 013020 ELSE
01303 013030 IF UID = UID-HOLD NEXT SENTENCE
01304 013040 ELSE
01305 013050 MOVE UID TO UID-HOLD
01306 013060 MOVE -$$- TO FLAG-X
01307 013070 PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.
01308 013080 IF PXP5 = -X- GO TO PROCESS-PASSENGER.
01309 013090 EXAMINE DIMENSION-AREA REPLACING ALL SPACES BY ZEROS.
01310 013100 IF DIMENSION-AREA NUMERIC NEXT SENTENCE
01311 013110 ELSE
01312 013120 MOVE LTME TO D-LTH
01313 013130 MOVE WTME TO D-MTH
01314 013140 MOVE HTME TO D-MTH
01315 013150 MOVE WTGE TO D-WT
01316 013160 MOVE ALL "0" TO DIMENSION-AREA
01317 013170 MOVE -$$- TO FLAG-X
01318 013180 MOVE 1 TO A-F GO TO DIAG-OUTPUT-1.
01319 013190 IF CGEX NUMERIC NEXT SENTENCE ELSE
01320 013200 MOVE CGEX TO D-CGX
01321 013210 MOVE -$$- TO FLAG-X
01322 013220 MOVE ZERO TO CGEX.
01323 013230 IF LTME GREATER THAN 700
01324 013240 MOVE LTME TO D-LTH
01325 013250 COMPUTE LTME = LTME / 10
01326 013260 MOVE -$$- TO FLAG-X.
01327 013270 IF WTME GREATER THAN 250
01328 013280 MOVE WTME TO D-MTH
01329 013290 COMPUTE WTME = WTME / 10
01330 013300 MOVE -$$- TO FLAG-X.
01331 013310 IF HTME GREATER THAN 250
01332 013320 MOVE HTME TO D-MTH
01333 013330 COMPUTE HTME = HTME / 10
01334 013340 MOVE -$$- TO FLAG-X.
01335 013350 IF WTGE GREATER THAN 150000
01336 013360 MOVE WTGE TO D-WT
01337 013370 COMPUTE WTGE = WTGE / 10
01338 013380 MOVE -$$- TO FLAG-X.
01339 013390 COMPUTE I = LTME * WTME * HTME * WTGE.
01340 013400 IF I = 0 MOVE -$$- TO FLAG-X.
01341 013410 IF CGE GREATER THAN LTME OR CGE = 0
01342 013420 MOVE CGE TO D-CGX
01343 013430 COMPUTE CGE = LTME / 2
01344 013440 MOVE -$$- TO FLAG-X.
01345 013450 MOVE 0 TO I.
01346 013460 DENST.
01347 013470 IF LTME = 0 NEXT SENTENCE
01348 013480 ELSE
01349 013490 COMPUTE I = WTGE / LTME.
01350 013500 IF I LESS THAN 500 NEXT SENTENCE
01351 013510 ELSE
01352 013520 MOVE WTGE TO D-WT

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01296VAL 1297 0355
01297VAL 1298 0382
01298VAL 1299 0243
01299VAL 1300 0249
01300VAL 1301
01301VAL 1302 0342
01302VAL 1303
01303VAL 1304 0471 0248
01304VAL 1305
01305VAL 1306 0471
01306VAL 1307 0248
01307VAL 1308 0245
01308VAL 1309 0476
01309VAL 1310 0495
01310VAL 1311 0495
01311VAL 1312
01312VAL 1313 0496
01313VAL 1314 0542 0497
01314VAL 1315 0543 0498
01315VAL 1316 0544 0499
01316VAL 1317 0545
01317VAL 1318 0495
01318VAL 1319 0245 0243
01319VAL 1320 0501
01320VAL 1321 0501
01321VAL 1322 0546
01322VAL 1323 0245 0501
01323VAL 1324 0496
01324VAL 1325 0496
01325VAL 1326 0542 0496 0496
01326VAL 1327 0245
01327VAL 1328 0497
01328VAL 1329 0497
01329VAL 1330 0543 0497 0497
01330VAL 1331 0245
01331VAL 1332 0498
01332VAL 1333 0498
01333VAL 1334 0544 0498 0498
01334VAL 1335 0245
01335VAL 1336 0499
01336VAL 1337 0499
01337VAL 1338 0545 0499 0499
01338VAL 1339 0245
01339VAL 1340 0239 0496 0497 0498
01340VAL 1341 0239 0245
01341VAL 1342 0500 0496 0500
01342VAL 1343 0500
01343VAL 1344 0546 0500 0496
01344VAL 1345 0245
01345VAL 1346 0239
01346VAL 1347
01347VAL 1348 0496
01348VAL 1349
01349VAL 1350 0239 0499 0496
01350VAL 1351 0239
01351VAL 1352
01352VAL 1353 0499

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01353 013530 COMPUTE MTGE = MTGE / 10
01354 013540 MOVE "68" TO FLAG-X
01355 013550 GO TO DENSIT.
01356 013560 IF PRIP = SPACES
01357 013570 MOVE "999" TO PRIP.
01358 013580 EXAMINE PRIP REPLACING LEADING SPACES BY ZEROS.
01359 013590 IF PRIP NOT NUMERIC MOVE "999" TO PRIP.
01360 013600 IF PRIP = 0 MOVE 999 TO PRIP.
01361 013610 IF CGOCD NOT EQUAL "PA" GO TO EQUIP-VALD-EXIT.
01362 013620 IF LTME = 0 MOVE 88 TO LTME.
01363 013630 IF MTGE = 0 MOVE 108 TO MTGE.
01364 013640 IF LTME NOT = 88 OR MTGE NOT = 108
01365 013650 MOVE "88" TO FLAG-X
01366 013660 MOVE CGOCD TO D-XCODE
01367 013670 MOVE "80" TO CGOCD.
01368 013680 EQUIP-VALD-EXIT.
01369 013690 MOVE 1 TO J.
01370 013700 IF MTGE = 0
01371 013710 MOVE 1 TO A-F
01372 013720 MOVE ALL "0" TO D-WT.
01373 013730 IF LTME = 0
01374 013740 MOVE 1 TO A-F
01375 013750 MOVE ALL "0" TO D-LTH.
01376 013760 IF MTGE = 0
01377 013770 MOVE 1 TO A-F
01378 013780 MOVE ALL "0" TO D-WTH.
01379 013790 IF MTGE = 0
01380 013800 MOVE 1 TO A-F
01381 013810 MOVE ALL "0" TO D-HTH.
01382 013820 DECIPHER-CODE-1.
01383 013830 ADD 1 TO J.
01384 013840 IF J LESS THAN 16 GO TO DECIPHER-CODE-2.
01385 013850 IF CGOCD = SPACES
01386 013860 MOVE "88" TO CGOCD.
01387 013870 MOVE CGOCD TO D-XCODE.
01388 013880 MOVE "88" TO FLAG-X.
01389 013890 MOVE 1 TO A-F.
01390 013900 MOVE 1 TO J.
01391 013910 GO TO DECIPHER-CODE-3.
01392 013920 DECIPHER-CODE-2.
01393 013930 IF CODE-TYPE (J) NOT = CGOCD
01394 013940 GO TO DECIPHER-CODE-1.
01395 013950 DECIPHER-CODE-3.
01396 013960 MOVE J TO S-XCODE.
01397 013970 IF UID = SPACES
01398 013980 MOVE "NOSPEC" TO UID.
01399 013990 MOVE 0 TO I.
01400 014000 TELE 77
01401 014010 EXAMINE TRL-OLAP REPLACING ALL SPACES BY ZEROS.
01402 014020 IF TRL-OLAP NOT NUMERIC
01403 014030 MOVE TRL-OLAP TO D-TRL-OLAP
01404 014040 MOVE ZEROS TO TRL-OLAP
01405 014050 GO TO RESET-PRIORITY-1.
01406 014060 IF J LESS THAN 7 GO TO RESET-PRIORITY-1.
01407 014070 IF TRL-OLAP NOT = ZEROS
01408 014080 MOVE TRL-OLAP TO D-TRL-OLAP
01409 014090 MOVE ZEROS TO TRL-OLAP
01353VAL 1356 0565 0499 0499
01354VAL 1355
01355VAL 1356 0245
01356VAL 1357 0481
01357VAL 1358 0481
01358VAL 1359 0481
01359VAL 1360 0481 0481
01360VAL 1361 0502 0502
01361VAL 1362 0494
01362VAL 1363 0496 0496
01363VAL 1364 0497 0497
01364VAL 1365 0496 0497
01365VAL 1366
01366VAL 1367 0245 0494
01367VAL 1368 0561 0494
01368VAL 1369
01369VAL 1370 0240
01370VAL 1371 0499
01371VAL 1372
01372VAL 1373 0243 0545
01373VAL 1374 0496
01374VAL 1375
01375VAL 1376 0243 0542
01376VAL 1377 0497
01377VAL 1378
01378VAL 1379 0243 0543
01379VAL 1380 0498
01380VAL 1381
01381VAL 1382 0243 0544
01382VAL 1383
01383VAL 1384 0240
01384VAL 1385 0240
01385VAL 1386 0494
01386VAL 1387 0494
01387VAL 1388 0494 0541
01388VAL 1389 0245
01389VAL 1390 0243
01390VAL 1391 0240
01391VAL 1392
01392VAL 1393
01393VAL 1394 0332 0240
01394VAL 1395 0494
01395VAL 1396
01396VAL 1397 0240 0501
01397VAL 1398 0471
01398VAL 1399 0471
01399VAL 1400 0239
01400VAL 1401
01401VAL 1402 0493
01402VAL 1403 0493
01403VAL 1404 0493
01404VAL 1405 0560
01405VAL 1406 0493
01406VAL 1407 0240
01407VAL 1408 0493
01408VAL 1409 0493
01409VAL 1410 0560

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01410	014100	MOVE "SS" TO FLAG-X.	01410VAL	1611	0493	0245
01411	014110	RESET-PRIORITY-1.	01411VAL	1612		
01412	014120	IF CU-IND = HIGH-VALUE NEXT SENTENCE	01412VAL	1613	0249	
01413	014130	ELSE	01413VAL	1614		
01414	014140	IF FINTEG = LOW-VALUE NEXT SENTENCE	01414VAL	1615	0362	
01415	014150	ELSE	01415VAL	1616		
01416	014160	IF 1 GREATER THAN 1-SET	01416VAL	1617	0239	
01417	014170	MOVE 1 TO 1-SET	01417VAL	1618	0251	0239
01418	014180	MOVE "SS" TO FLAG-X.	01418VAL	1619	0253	0245
01419	014190	PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT. CARD DELETED	01419VAL	1620		
01420	014200	IF 1 GREATER THAN NO-PR GO TO RESET-PRIORITY-2.	01420VAL	1621	0239	0366
01421	014210	ADD 1 TO 1.	01421VAL	1622	0239	
01422	014220	IF NO-PR = 0 GO TO CONT-RESET-PRIORITY-2.	01422VAL	1623	0366	
01423	014230	IF UID NOT = UID-PF (1)	01423VAL	1624	0471	0389 0239
01424	014240	GO TO RESET-PRIORITY-1.	01424VAL	1625		
01425	014250	GO TO RESET-PRIORITY-3.	01425VAL	1626		
01426	014260	RESET-PRIORITY-2.	01426VAL	1627		
01427	014270	PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.	01427VAL	1628		
01428	014280	CONT-RESET-PRIORITY-2.	01428VAL	1629		
01429	014290	MOVE 1 TO NO-PR.	01429VAL	1630	0239	0366
01430	014300	MOVE UID TO UID-PF (1) D-UID.	01430VAL	1631	0471	0389 0239 0534
01431	014310	MOVE "SS" TO FLAG-X.	01431VAL	1632	0265	
01432	014320	MOVE 1 TO POINTER (1)	01432VAL	1633	0239	0391 0239
01433	014330	MOVE 0 TO TOCWIU-PF (1).	01433VAL	1634	0390	0239
01434	014340	MOVE " " TO CUM (1).	01434VAL	1635	0392	0239
01435	014350	RESET-PRIORITY-3.	01435VAL	1636		
01436	014360	MOVE EQ-LNKE TO EQ-LNKE-TEMP.	01436VAL	1637	0504	0597
01437	014370	MOVE 1 TO PA-NO-TEMP.	01437VAL	1638	0239	0596
01438	014380	ADD 1 TO INPUT-SEQ.	01438VAL	1639	0228	
01439	014390	IF FPAID = HIGH-VALUE	01439VAL	1640	0361	
01440	014400	MOVE PRIET TO S-PRITY	01440VAL	1641	0502	
01441	014410	ELSE	01441VAL	1642	0591	
01442	014420	MOVE 999 TO S-PRITY.	01442VAL	1643	0591	
01443	014430	MOVE-CARD-SORT.	01443VAL	1644		
01444	014440	IF S-XCODE = 2	01444VAL	1645	0581	
01445	014450	MOVE RK TO S-RK	01445VAL	1646	0472	
01446	014460	MOVE NAME TO S-DESC1	01446VAL	1647	0573	0473
01447	014470	ELSE	01447VAL	1648	0574	
01448	014480	MOVE SPACES TO S-RK	01448VAL	1649		
01449	014490	MOVE DESC TO S-DESC1.	01449VAL	1650	0573	0488 0574
01450	014500	MOVE RES16 TO COMMENTS.	01450VAL	1651	0491	0579
01451	014510	IF SPE = SPACE OR ZERO	01451VAL	1652	0507	
01452	014520	MOVE SPACES TO SPEC-HD	01452VAL	1653		
01453	014530	ELSE	01453VAL	1654	0580	
01454	014540	MOVE " " SPEC HDL" TO SPEC-HD.	01454VAL	1655	0580	
01455	014550	MOVE VAR-TEMP TO S-VRN.	01455VAL	1656	0595	0575
01456	014560	MOVE LTME TO S-LTH.	01456VAL	1657	0496	0587
01457	014570	MOVE MTHE TO S-MTH.	01457VAL	1658	0497	0588
01458	014580	MOVE MTHE TO S-MTH.	01458VAL	1659	0498	0589
01459	014590	MOVE MTHE TO S-MTH.	01459VAL	1660	0499	0586
01460	014600	MOVE CGE TO S-CGC.	01460VAL	1661	0500	0590
01461	014610	IF PXP5 = "PX"	01461VAL	1662	0476	
01462	014620	MOVE SSAN-9 TO SSAN-CL	01462VAL	1663	0475	
01463	014630	ELSE	01463VAL	1664	0359	
01464	014640	MOVE ZEROS TO S-SSAN	01464VAL	1665		
01465	014650	MOVE TRI-OLAP TO S-TRI-OLAP.	01465VAL	1666	0582	0493 0585
01466	014660	MOVE 0 TO J.	01466VAL	1667	0240	



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01467 IF S-CODE = 2
01468 MOVE -P- TO SIZE-CODE
01469 MOVE SSAN TO S-SSAN
01470 MOVE WIP-9 TO S-WI
01471 GO TO DIAGNOSTIC-OUTPUT.
01472 CODE-SIZE.
01473 IF A-F = 1
01474 GO TO DIAG-OUTPUT-1.
01475 IF J GREATER THAN 3
01476 MOVE -SS- TO FLAG-X
01477 MOVE -SS- TO CLASS-AREA
01478 MOVE 1 TO A-F
01479 GO TO DIAGNOSTIC-OUTPUT.
01480 ADD 1 TO J.
01481 IF S-CODE GREATER THAN 10
01482 GO TO HELI-CODE-SIZE.
01483 IF S-LTH GREATER THAN L9 (J)
01484 GO TO CODE-SIZE.
01485 GO TO CODE-SIZE-1.
01486 HELI-CODE-SIZE.
01487 IF S-LTH GREATER THAN MAX-HELI-LTH (J) GO TO CODE-SIZE.
01488 CODE-SIZE-1.
01489 IF S-MTH GREATER THAN W9 (J)
01490 GO TO CODE-SIZE.
01491 IF S-HTH GREATER THAN H9 (J)
01492 GO TO CODE-SIZE.
01493 IF S-WT GREATER THAN W9 (J)
01494 GO TO CODE-SIZE.
01495 MOVE C-H (J) TO SIZE-CODE.
01496 IF J = 4
01497 ADD 1 TO OUT-MAX
01498 COMPUTE TOCMU-PF (S-PRI) = TOCMU-PF (S-PRI) + S-WT
01499 ELSE
01500 ADD 1 TO EQUIP-MAX.
01501 DIAGNOSTIC-OUTPUT.
01502 IF FLAG-X = -SS- GO TO DIAG-OUTPUT-2.
01503 IF FLAG-X NOT = -SS- GO TO CR-FOR-SORT.
01504 DIAG-OUTPUT-1.
01505 IF A-F = 1
01506 MOVE -REJECT- TO CLASS-AREA.
01507 DIAG-OUTPUT-2.
01508 MOVE ZEROS TO SEQUENCE.
01509 MOVE SPACES TO CARGO-DIG-CLEAR.
01510 WRITE PRINTER-RECORD FROM CARGO-DIAGNOSTIC AFTER ADVANCING 2.
01511 MOVE WID TO WID-CL.
01512 MOVE DESC TO NOM-CL.
01513 MOVE LTHE TO LTH-CL.
01514 MOVE WTHE TO WTH-CL.
01515 MOVE MTHE TO MTH-CL.
01516 MOVE WTEG TO WT-CL.
01517 MOVE CGE TO CGC-CL.
01518 MOVE PRIE TO PRI-CL.
01519 MOVE SPE TO SP-CL.
01520 MOVE REPE TO QTY-CL.
01521 MOVE CD-TYPE TO CD-CL.
01522 IF PXS = "PX"
01523 MOVE SSAN-9 TO SSAN-CL
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01524 ELSE
01525 MOVE TRL-ULAP TO TRL-ULAP-CL.
01526 MOVE EQ-LIKE TO BN-CL.
01527 MOVE CGOCD TO XCODE.
01528 WRITE PRINTER-RECORD FROM LIST-AREA AFTER ADVANCING 1.
01529 ADD 3 TO LINE-COUNT.
01530 IF LINE-COUNT GREATER THAN LNCNT
01531 PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.
01532 IF A-F = 1 ADD 1 TO MEJ-CTR.
01533 IF A-F = 1 MOVE SPACES TO CLASS-AREA GO TO READ-DATA-CD.
01534 CK-FOR-SORT.
01535 MOVE SORT-REC TO S2.
01536 RELEASE S2.
01537 GO TO READ-DATA-CD.
01538 PROCESS-PASSENGERS.
01539 EXAMINE SSAN REPLACING ALL SPACES BY ZEROS.
01540 IF SSAN NOT NUMERIC
01541 MOVE SSAN TO D-SSAN
01542 MOVE "88" TO FLAG-X
01543 MOVE ZEROS TO SSAN.
01544 ADD 1 TO PASS-MAX.
01545 IF WTP = ZEROS MOVE PAXMT TO WTP-9.
01546 IF WTP = SPACES MOVE PAXMT TO WTP-9.
01547 IF WTP NOT NUMERIC MOVE PAXMT TO WTP-9.
01548 IF WTP NOT NUMERIC
01549 NEXT SENTENCE
01550 ELSE
01551 IF WTP-9 GREATER THAN MAX-PASS-WT
01552 MOVE WTP-9 TO MAX-PASS-WT.
01553 IF PRIP = SPACES MOVE "999" TO PRIP.
01554 EXAMINE PRIP REPLACING LEADING SPACES BY ZEROS.
01555 IF PRIP NOT NUMERIC
01556 MOVE "999" TO PRIP.
01557 MOVE 1 TO J.
01558 GO TO DECRYPTER-CODE-1.
01559 PAGE-HEADING.
01560 ADD 1 TO PAGE-NO.
01561 PERFORM DATE-SET THRU DATE-SET-EXIT.
01562 MOVE PAGE-NO TO FORM-NUMBER.
01563 MOVE 3 TO LINE-COUNT.
01564 WRITE PRINTER-RECORD FROM HEAD-OF-FORM AFTER ADVANCING
01565 TOP-OF-PAGE.
01566 WRITE PRINTER-RECORD FROM USER-TITLE AFTER ADVANCING
01567 2 LINES.
01568 PAGE-HEADING-EXIT.
01569 EXIT.
01570 READ-AND-VALIDATE-EXIT.
01571 EXIT.
01572 BUILD-TEMP-FILE-SECTION.
01573 BUILD-TEMP-FILE-SECTION.
01574 MOVE 0 TO I.
01575 MOVE HIGH-VALUE TO VRN-TEMP.
01576 RTN-RECS.
01577 RETURN SORT-FILE AT END GO TO BUILD-TEMP-EXIT.
01578 IF VRN-5 = VRN-TEMP
01579 MOVE J TO PRIORITY
01580 GO TO BUILD-TEMP-FILE-3.
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01581 015810 MOVE PRIORITY TO J.  
01582 015820 IF XCODE-S = 2  
01583 015830 MOVE SPACES TO BUMP-NU.  
01584 015840 IF BUMP-HD = SPACES  
01585 015850 MOVE HIGH-VALUE TO VNM-TEMP  
01586 015860 ELSE  
01587 015870 MOVE VNM-S TO VNM-TEMP.  
01588 015880 BUILD-TEMP-FILE-3.  
01589 015890 IF FPRIO = HIGH-VALUE  
01590 015900 COMPUTE PRIORITY = POINTER (PR-HD) \* 1000 + PRIORITY.  
01591 015910 WRITE TEMP-RECORD FROM 52.  
01592 015920 GO TO ATN-RECS.  
01593 015930 BUILD-TEMP-EXIT.  
01594 015940 EXIT.  
01595 015950 BUILD-MASTER-FILE SECTION.  
01596 015960 BUILD-MASTER-FILE SECTION.  
01597 015970 MOVE SPACES TO FLAG-X.  
01598 015980 MOVE 0 TO INPUT-SEQ.  
01599 015990 OPEN OUTPUT MASTER-FILE.  
01600 016000 OPEN OUTPUT AVAIL-PASS-FILE.  
01601 016010 IF FLIST = LOW-VALUE GO TO BLD-MI.  
01602 016020 MOVE "PRIORITY DATA" TO HD-SUB.  
01603 016030 PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.  
01604 016040 WRITE PRINTER-RECORD FROM SUB-HD AFTER ADVANCING 2.  
01605 016050 WRITE PRINTER-RECORD FROM PRI-HDR AFTER ADVANCING 2.  
01606 016060 MOVE 0 TO SEQUENCE.  
01607 016070 MOVE 3 TO LINE-COUNT.  
01608 016080 MOVE SPACES TO CARGO-LIST.  
01609 016090 PRINT-0.  
01610 016100 MOVE 0 TO I.  
01611 016110 PRINT-1.  
01612 016120 ADD 1 TO I.  
01613 016130 IF I GREATER THAN HD-PR GO TO PRINT-2.  
01614 016140 MOVE UID-PF (I) TO PRI-UID.  
01615 016150 MOVE TOCUID-PF (I) TO PRI-OUT.  
01616 016160 MOVE POINTER (I) TO PRI-PRI.  
01617 016170 MOVE SPACES TO CUID.  
01618 016180 IF CUM (I) = "C"  
01619 016190 COMPUTE J = I + 1  
01620 016200 MOVE UID-PF (J) TO CUID.  
01621 016210 WRITE PRINTER-RECORD FROM PRI-LIST AFTER ADVANCING 1.  
01622 016220 GO TO PRINT-1.  
01623 016230 PRINT-2.  
01624 016240 MOVE "OPTIONS IN EFFECT" TO HD-SUB.  
01625 016250 PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.  
01626 016260 WRITE PRINTER-RECORD FROM SUB-HD AFTER ADVANCING 1.  
01627 016270 MOVE NO-COPIES TO XCOPI.  
01628 016280 MOVE LNCNT TO XLIN.  
01629 016290 WRITE PRINTER-RECORD FROM OPT-IN-E1 AFTER ADVANCING 3.  
01630 016300 WRITE PRINTER-RECORD FROM OPT-IN-E2 AFTER ADVANCING 1.  
01631 016310 WRITE PRINTER-RECORD FROM OPT-IN-E3 AFTER ADVANCING 2.  
01632 016320 MOVE "AIRCRAFT DATA" TO HD-SUB.  
01633 016330 PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.  
01634 016340 WRITE PRINTER-RECORD FROM SUB-HD AFTER ADVANCING 1.  
01635 016350 CLOSE AIRCRAFT-FILE INDX-ATR.  
01636 016360 OPEN INPUT AIRCRAFT-FILE.  
01637 016370 MOVE 0 TO HD-AC.

01581VAL 1582 0069 0260  
01582VAL 1583 0059  
01583VAL 1584 0054  
01584VAL 1585 0054  
01585VAL 1586  
01586VAL 1587 0595  
01587VAL 1588 0052 0595  
01588VAL 1589  
01589VAL 1590 0361  
01590VAL 1591 0069 0391 0053 0069  
01591VAL 1592 0176 0068  
01592VAL 1593  
01593VAL 1594  
01594VAL 1595  
01595VAL 1596  
01596VAL 1597  
01597VAL 1598 0265  
01598VAL 1599 0228  
01599VAL 1600 0180  
01600VAL 1601 0080  
01601VAL 1602 0336  
01602VAL 1603 0712  
01603VAL 1604  
01604VAL 1605 0123 0710  
01605VAL 1606 0123 0713  
01606VAL 1607 0353  
01607VAL 1608 0226  
01608VAL 1609 0355  
01609VAL 1610  
01610VAL 1611 0239  
01611VAL 1612  
01612VAL 1613 0239  
01613VAL 1614 0239 0346  
01614VAL 1615 0399 0239 0723  
01615VAL 1616 0390 0239 0725  
01616VAL 1617 0391 0239 0727  
01617VAL 1618 0729  
01618VAL 1619 0392 0239  
01619VAL 1620 0240 0239  
01620VAL 1621 0389 0240 0729  
01621VAL 1622 0123 0721  
01622VAL 1623  
01623VAL 1624  
01624VAL 1625 0712  
01625VAL 1626  
01626VAL 1627 0123 0710  
01627VAL 1628 0364 0758  
01628VAL 1629 0267 0760  
01629VAL 1630 0123 0730  
01630VAL 1631 0123 0735  
01631VAL 1632 0123 0740  
01632VAL 1633 0712  
01633VAL 1634  
01634VAL 1635 0123 0710  
01635VAL 1636 0129 0161  
01636VAL 1637 0129  
01637VAL 1638 0227



01638 MOVE SPACES TO AIRCRAFT-LIST CLASS-AREA.  
01639 PRNT-3.  
01640 READ AIRCRAFT-FILE AT END GO TO PRNT-3-AC.  
01641 MOVE AIRCRAFT-REC TO AIRCRAFT-LIST.  
01642 ADD 1 TO NO-AC.  
01643 MOVE NO-AC TO SEQUENCE.  
01644 WRITE PRINTER-RECORD FROM LIST-AREA AFTER ADVANCING 1.  
01645 ADD 1 TO LINE-COUNT.  
01646 IF LINE-COUNT GREATER THAN LNCMT  
01647 PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.  
01648 GO TO PRNT-3.  
01649 PRNT-3-AC.  
01650 IF AIRCRAFT-NOT-GENERATED  
01651 GO TO PRNT-4.  
01652 MOVE "AIRCRAFT WILL BE GENERATED" TO HO-SUB  
01653 WRITE PRINTER-RECORD FROM SUB-HO AFTER ADVANCING 2.  
01654 PRNT-4.  
01655 CLOSE AIRCRAFT-FILE.  
01656 IF NO-AC = 0 MOVE HIGH-VALUE TO FCEN.  
01657 MOVE "PARAMETERS IN EFFECT" TO HO-SUB.  
01658 PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.  
01659 WRITE PRINTER-RECORD FROM SUB-HO AFTER ADVANCING 1.  
01660 WRITE PRINTER-RECORD FROM PARAM-HD2 AFTER 3.  
01661 WRITE PRINTER-RECORD FROM PARAM-HD3 AFTER 1.  
01662 WRITE PRINTER-RECORD FROM PARAM-HD5 AFTER 1.  
01663 MOVE "CS" TO PARAM-CARGO-TYPE.  
01664 MOVE 4 TO 1.  
01665 PERFORM PRNT-5 THRU PRNT-6.  
01666 MOVE "C141" TO PARAM-CARGO-TYPE.  
01667 MOVE 3 TO 1.  
01668 PERFORM PRNT-5 THRU PRNT-6.  
01669 MOVE "C130" TO PARAM-CARGO-TYPE.  
01670 MOVE 2 TO 1.  
01671 PERFORM PRNT-5 THRU PRNT-6.  
01672 MOVE "FILL" TO PARAM-CARGO-TYPE.  
01673 MOVE 1 TO 1.  
01674 PERFORM PRNT-5 THRU PRNT-6.  
01675 IF MAX-PASS-WT GREATER THAN PAXWT  
01676 MOVE MAX-PASS-WT TO PAXWT  
01677 MOVE "Y" TO DEF-PAS-RESET.  
01678 MOVE PAXWT TO PARAM-PWT.  
01679 WRITE PRINTER-RECORD FROM PARAM-L2 AFTER 3.  
01680 IF DEFAULT-RESET  
01681 WRITE PRINTER-RECORD FROM PARAM-L2-A AFTER 1.  
01682 MOVE PRNT-LTN TO PARAM-SCH.  
01683 WRITE PRINTER-RECORD FROM PARAM-L3 AFTER 1.  
01684  
01685\* PRINT GENERATED PASSENGER VALUES FOR C-130 AND C-141  
01686\*  
01687 IF AIRCRAFT-NOT-GENERATED  
01688 GO TO PRNT-7.  
01689 MOVE 2 TO J.  
01690 PPI.  
01691 IF MIX-HOLD (JJ) NUMERIC  
01692 AND W9CJJ GREATER THAN 0  
01693 AND PAS-ONLY (JJ) GREATER THAN 0  
01694 MOVE PAS-ONLY (JJ) TO PARAM-PON





01752 017520 ADD 3 TO LINE-COUNT.  
01753 BLD-M1.  
01754 017540 IF LINE-COUNT GREATER THAN LNCNT GO TO PRINT-7-A.  
01755 017550 IF FLAG-X = SPACES  
01756 017560 MOVE S2 TO H52  
01757 017570 MOVE "00" TO FLAG-X.  
01758 017580 RETURN SORT-FILE AT END GO TO BLD-MST-EXIT.  
01759 017590 MOVE SPACES TO CARGO-LIST.  
01760 017600 ADD 1 TO INPUT-SEQ.  
01761 017610 BLD-M2.  
01762 017620 ADD 1 TO START-KEY.  
01763 017630 MOVE START-KEY TO KEY-MFB KEY-MFN.  
01764 017640 MOVE S2 TO SUB-REC.  
01765 017650 IF VRN-TEMP NOT = VRN-S  
01766 017660 MOVE 0 TO J  
01767 017670 MOVE VRN-S TO VRN-TEMP.  
01768 017680 IF J LESS THAN 999 ADD 1 TO J.  
01769 017690\*  
01770 017700\* MOVES ARE LEFT TO RIGHT ON OUTPUT FIELD.  
01771 017710\*  
01772 017720 MOVE SPACES TO N-LINE-3-BODY.  
01773 017730 MOVE INPUT-SEQ TO N-SEQ.  
01774 017740 MOVE UID-PF (PR-N0) TO N-UID.  
01775 017750 MOVE WOMEN-PRIME TO N-WOMEN-1.  
01776 017760 MOVE COMM-WOMEN TO N-WOMEN-2.  
01777 017770 IF SIZE-CODE-S = "P"  
01778 017780 MOVE SSAN-S9 TO N-SSN  
01779 017790 MOVE WOMEN-RNK TO N-RANK.  
01780 017800 IF SIZE-CODE-S NOT = "P"  
01781 017810 AND SSAN-TR-OV NUMERIC  
01782 017820 AND SSAN-TR-OV NOT = 0  
01783 017830 AND SSAN-TR-OV GREATER THAN 0  
01784 017840 MOVE SSAN-TR-OV TO N-TR-OV.  
01785 017850 MOVE CODE-TYPE (XCODE-S) TO N-CGO-CD.  
01786 017860 MOVE LTH-S TO N-LTH.  
01787 017870 MOVE WTH-S TO N-WTH.  
01788 017880 MOVE MTH-S TO N-MTH.  
01789 017890 MOVE WT-S TO N-WEIGHT.  
01790 017900 MOVE CGC-S TO N-CG.  
01791 017910 MOVE J TO N-PR1.  
01792 017920 MOVE BUMP-MO TO N-LINK.  
01793 017930 IF XCODE-S = 5 OR  
01794 017940 XCODE-S GREATER THAN 9  
01795 017950 MOVE "Y" TO N-SHREQ.  
01796 017960 IF COMM-SH = "SPEC MDL"  
01797 017970 MOVE "Y" TO N-SPHD.  
01798 017980\*  
01799 017990\* AIRCRAFT NEEDED SET  
01800 018000\*  
01801 018010 MOVE SPACES TO N-PLANE N-PAX.  
01802 018020 IF SIZE-CODE-S NOT GREATER THAN "A"  
01803 018030 MOVE "FILL" TO N-PLANE GO TO N-AC-C.  
01804 018040 IF SIZE-CODE-S NOT GREATER THAN "B"  
01805 018050 MOVE "C-130" TO N-PLANE GO TO N-AC-C.  
01806 018060 IF SIZE-CODE-S NOT GREATER THAN "C"  
01807 018070 MOVE "C-141" TO N-PLANE GO TO N-AC-C.  
01808 018080 IF SIZE-CODE-S NOT GREATER THAN "D"

01752VAL 1753 0226  
01753VAL 1754  
01754VAL 1755 0226 0267  
01755VAL 1756 0245  
01756VAL 1757 0048  
01757VAL 1758 0709 0245  
01758VAL 1759 0038  
01759VAL 1760 0355  
01760VAL 1761 0228  
01761VAL 1762  
01762VAL 1763 0224  
01763VAL 1764 0224 0186 0223  
01764VAL 1765 0068 0187  
01765VAL 1766 0595  
01766VAL 1767 0052  
01767VAL 1768 0240 0052 0595  
01768VAL 1769 0240 0240  
01769VAL 1770  
01770VAL 1771  
01771VAL 1772  
01772VAL 1773 0796  
01773VAL 1774 0228 0793  
01774VAL 1775 0389 0053 0797  
01775VAL 1776 0051 0802  
01776VAL 1777 0057 0803  
01777VAL 1778 0055  
01778VAL 1779 0063  
01779VAL 1780 0805 0050 0799  
01780VAL 1781 0055  
01781VAL 1782 0062  
01782VAL 1783 0062  
01783VAL 1784 0062  
01784VAL 1785 0062 0808  
01785VAL 1786 0332 0059 0811  
01786VAL 1787 0065 0813  
01787VAL 1788 0066 0815  
01788VAL 1789 0067 0817  
01789VAL 1790 0064 0819  
01790VAL 1791 0068 0821  
01791VAL 1792 0240 0823  
01792VAL 1793 0054 0825  
01793VAL 1794 0059  
01794VAL 1795 0059  
01795VAL 1796 0831  
01796VAL 1797 0058  
01797VAL 1798 0829  
01798VAL 1799  
01799VAL 1800  
01800VAL 1801  
01801VAL 1802 0836 0838  
01802VAL 1803 0055  
01803VAL 1804 0836  
01804VAL 1805 0055  
01805VAL 1806 0836  
01806VAL 1807 0055  
01807VAL 1808 0836  
01808VAL 1809 0055

01809	018090	MOVE = C-S = TO N-PLANE	01809VAL	1810
01810	018100	MOVE = * = TO N-OUT-S	01810VAL	1811
01811	018110	GO TO N-AC-C.	01811VAL	1812
01812	018120*		01812VAL	1813
01813	018130*	NOW FOR THE PASSENGERS.	01813VAL	1814
01814	018140*		01814VAL	1815
01815	018150	IF SIZE-CODE-S = "P" MOVE "R" TO N-PAX.	01815VAL	1816
01816	018160	IF SIZE-CODE-S = "P" AND BUMP-NO = SPACES	01816VAL	1817
01817	018170	MOVE "A" TO N-PAX.	01817VAL	1818
01818	018180*		01818VAL	1819
01819	018190*	IF NOMATE SELECTED MAKE ALL PASSENGERS "AVAILABLE".	01819VAL	1820
01820	018200*		01820VAL	1821
01821	018210	IF SIZE-CODE-S = "P" AND PHATE = "LOW-VALUE	01821VAL	1822
01822	018220	MOVE "A" TO N-PAX.	01822VAL	1823
01823	018230	N-AC-C.	01823VAL	1824
01824	018240*		01824VAL	1825
01825	018250	IF F-T-L-N = "Y"	01825VAL	1826
01826	018260	MOVE "M" TO F-T-L-M	01826VAL	1827
01827	018270	ELSE	01827VAL	1828
01828	018280	IF S2 = H52 GO TO BLD-M3.	01828VAL	1829
01829	018290	MOVE SPACES TO FLAG-X.	01829VAL	1830
01830	018300*		01830VAL	1831
01831	018310	WRITE PRINTER-RECORD FROM NEW-LINE-3 AFTER ADVANCING 1.	01831VAL	1832
01832	018320*		01832VAL	1833
01833	018330	ADD 1 TO LINE-COUNT.	01833VAL	1834
01834	018340	BLD-M3.	01834VAL	1835
01835	018350	IF N-PAX = "A"	01835VAL	1836
01836	018360	MOVE MASTER-RECORD TO AVAIL-PASS-REC	01836VAL	1837
01837	018370	WRITE AVAIL-PASS-REC	01837VAL	1838
01838	018380	ADD 1 TO AVA-PASS	01838VAL	1839
01839	018390	GO TO BLD-M1.	01839VAL	1840
01840	018400	IF GO-KEY = ZERO MOVE KEY-MFB TO GO-KEY.	01840VAL	1841
01841	018410	ADD 1 TO MASTR-CTR.	01841VAL	1842
01842	018420	WRITE MASTER-RECORD INVALID KEY GO TO INV-K-HFB.	01842VAL	1843
01843	018430	GO TO BLD-M1.	01843VAL	1844
01844	018440	INV-K-MFB.	01844VAL	1845
01845	018450	DISPLAY "DUP-KEY".	01845VAL	1846
01846	018460	BLD-MST-EXIT.	01846VAL	1847
01847	018470	EXIT.	01847VAL	1848
01848	018480	BLD-AIR SECTION.	01848VAL	1849
01849	018490	BLD-AIR-SECTION.	01849VAL	1850
01850	018500	RETURN SORT-FILE AT END GO TO BLD-AIR-EXIT.	01850VAL	1851
01851	018510	MOVE SRT-AIR-REC TO INDX-AIR-REC.	01851VAL	1852
01852	018520	MOVE KEY-AIRI TO CHLK-MD.	01852VAL	1853
01853	018530	MOVE MD-AC TO KEY-AIRI.	01853VAL	1854
01854	018540	MOVE ACFT-PRI TO AC-PR.	01854VAL	1855
01855	018550	WRITE INDX-AIR-REC INVALID KEY	01855VAL	1856
01856	018560	DISPLAY "KEY = KEY-AIRI"	01856VAL	1857
01857	018570	GO TO CLOSE-SHOP.	01857VAL	1858
01858	018580	ADD 1 TO MD-AC.	01858VAL	1859
01859	018590	MOVE "N" TO AC-GEN-END.	01859VAL	1860
01860	018600	DISPLAY = AIRCRAFT TO LOAD = INDX-AIR-REC.	01860VAL	1861
01861	018610	GO TO BLD-AIR-SECTION.	01861VAL	1862
01862	018620	BLD-AIR-EXIT.	01862VAL	1863
01863	018630	MOVE 0 TO MPRI.	01863VAL	1864
01864	018640	CLOSE-SHOP-SECTION SECTION.	01864VAL	1865
01865	018650	CLOSE-SHOP.	01865VAL	1866

018660*	018660*	FINAL PAGE HEADING SETUP	018660*	1867
018670*	018670*		018670*	1868
018680*	018680*		018680*	1869
018690*	018690*	PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.	018690*	1870
018700*	018700*		018700*	1871
018710*	018710*	DISPLAY = MASTER-RECORDS = "MASTR-CTR.	018710*	1872 0215
018720*	018720*	DISPLAY = AIRCRAFT = "ATR-CTR.	018720*	1873 0219
018730*	018730*	DISPLAY = AVAIL PASS = "AVA-PASS.	018730*	1874 0221
018740*	018740*	DISPLAY = REJECTS = "REJ-CTR.	018740*	1875 0220
018750*	018750*	DISPLAY = PRE REJECTS = "PEJ-CTR.	018750*	1876 0201
018760*	018760*	OPEN OUTPUT PARM-FILE.	018760*	1877 0089
018770*	018770*	MOVE PAGEND TO PAGE-NO-SWAP.	018770*	1878 0225 0327
018780*	018780*	MOVE PAS-DATA-HOLD-AREA TO PRMS-1.	018780*	1879 0321 0097
018790*	018790*	WRITE PRMS-1.	018790*	1880 0097
018800*	018800*	MOVE ZEROS TO LIM-ITS.	018800*	1881 0098
018810*	018810*	MOVE PASS-MAX TO P-AREA-CS.	018810*	1882 0320 0114
018820*	018820*	WRITE PRMS-1.	018820*	1883 0097
018830*	018830*	MOVE 11-29 TO LIM-ITS.	018830*	1884 0358 0099
018840*	018840*	WRITE PRMS-1.	018840*	1885 0097
018850*	018850*	MOVE T30-58 TO LIM-ITS.	018850*	1886 0349 0098
018860*	018860*	WRITE PRMS-1.	018860*	1887 0097
018870*	018870*	MOVE T59-72 TO LIM-ITS.	018870*	1888 0350 0098
018880*	018880*	WRITE PRMS-1.	018880*	1889 0097
018890*	018890*	MOVE SET-10-FLAGS TO P-FLAGS.	018890*	1890 0335 0106
018900*	018900*	MOVE NO-CUPIES TO P-CUPIES.	018900*	1891 0344 0107
018910*	018910*	MOVE LNCNT TO P-LNCNT.	018910*	1892 0267 0108
018920*	018920*	MOVE NO-C5 TO PNO-C5.	018920*	1893 0297 0109
018930*	018930*	MOVE NO-C141 TO PNO-C141.	018930*	1894 0288 0110
018940*	018940*	MOVE NO-C130 TO PNO-C130.	018940*	1895 0279 0111
018950*	018950*	MOVE GO-7 TO FIRST-KEY.	018950*	1896 0255 0112
018960*	018960*	WRITE PRMS-3.	018960*	1897 0104
018970*	018970*	MOVE AREA-CS TO P-AREA-CS.	018970*	1898 0315 0114
018980*	018980*	MOVE AREA-C141 TO P-AREA-C141.	018980*	1899 0316 0115
018990*	018990*	MOVE AREA-C130 TO P-AREA-C130.	018990*	1900 0317 0116
019000*	019000*	MOVE EQUIP-MAX TO P-EQUIP-MAX.	019000*	1901 0318 0117
019010*	019010*	MOVE OUT-MAX TO P-OUT-MAX.	019010*	1902 0319 0118
019020*	019020*	WRITE PRMS-4.	019020*	1903 0113
019030*	019030*	MOVE 0 TO 1 J.	019030*	1904 0239 0240
019040*	019040*	LOAD-FILE.	019040*	1905
019050*	019050*	ADD 1 TO 1.	019050*	1906 0239
019060*	019060*	IF 1 GREATER THAN 4 GO TO CONT-1.	019060*	1907 0239
019070*	019070*	MOVE LIMITS-HOLD (1) TO LIM-ITS.	019070*	1908 0299 0239 0098
019080*	019080*	WRITE PRMS-1.	019080*	1909 0097
019090*	019090*	GO TO LOAD-FILE.	019090*	1910
019100*	019100*	CONT-1.	019100*	1911
019110*	019110*	ADD 1 TO J.	019110*	1912 0240
019120*	019120*	MOVE PRY (3) TO PRMS-2.	019120*	1913 0388 0240 0099
019130*	019130*	WRITE PRMS-2.	019130*	1914 0099
019140*	019140*	IF J = NO-PR GO TO LOAD-FILE-EXIT.	019140*	1915 0240 0366
019150*	019150*	GO TO LOAD-FILE.	019150*	1916
019160*	019160*	LOAD-FILE-EXIT.	019160*	1917
019170*	019170*	CLOSE PARM-FILE.	019170*	1918 0099
019180*	019180*	CLOSE PRINTER-FILE.	019180*	1919 0120
019190*	019190*	STOP RUN.	019190*	1920

VALAMP LENGTH IS 014652

0651008 SCM USED



[illegible]

NAME	DEFINITION	01277	01213	01848	00899	01862	01850	01849	01861	01846	01758	01753	01601	01839	01843	01761	NONE	01834	01828	01595	00906	01596	NONE	01593	01577	01572	00890	01573	NONE	01588	01580	00946	00941	00959	00942	01534	01503	01845	00915	00914	01857	01864	NONE	01472	01484	01487	01490	01492	01494	01488	01485	01030	01025	01087	01083	01014	01029	01428	01422	01145	01139	01154	NONE	01910	01906	00852	01561	00846	01561	01382	01394	01558	01392	01384	01395	01391	01346	01355	01501	01471	01479	01504	01318	01474	01507	01502	00997	00923	01368	01361	00922	00945	00995	01486	01482	00847	NONE	00868	NONE	00846	NONE	01254	01245	01142	NONE	01844	01842	01904	01909	01916	01914	01138	NONE	01443	NONE	01823	01803	01805	01807	01811	00920	NONE	01559	01079	01086	01177	01293	01307	01427	01531	01603	01625	01633	01647	01658	01744	01869																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
ACFT-DIAG-OUTPUT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

# 6000 COBOL PROCEDURE NAME CROSS REFERENCE LIST REFERENCES

NAME

DEFINITION

PAGE-HEADING-EXIT	01568 01079 01086 01178 01294 01307 01427 01531 01603 01625 01633 01647 01658
PP1	01744 01869
PP2	01690 01702
PRINT-3-AC	01708 01721
PRINT-0	01649 01640
PRINT-1	01609 NONE
PRINT-1	01611 01622
PRINT-2	01623 01613
PRINT-3	01639 01648
PRINT-4	01654 01651
PRINT-5	01723 01665
PRINT-6	01736 01665
PRINT-7	01738 01688 01722
PROCESS-PASSENGERS	01741 01739 01754
PROCESS-TYPE-1	01598 01708
PROCESS-TYPE-2	01024 01013
PROCESS-TYPE-3	01077 01019
PROCESS-TYPE-4	01082 01020
PROCESS-TYPE-5	01126 01021 01183
PROCESS-TYPE-6	01173 01022
READ-AND-VALIDATE	01288 01023
READ-AND-VALIDATE-EXIT	00999 00890
READ-AND-VALIDATE-SECTION	01570 01005
READ-DATA-CD	01000 NONE
RELEASE-TO-SORT	01004 01018 01076 01081 01092 01101 01137 01144 01163 01164 01169 01172 01279
RESET-PRIORITY-1	01287 01533 01537
RESET-PRIORITY-2	00986 00939 00955 00958 00971 00977 00978 00996
RESET-PRIORITY-3	01411 01405 01426 01420
RIN-RECS	01426 01420
R-AND-EXP	01435 01425
SET-AC-COMB	01576 01592
SET-AC-PRI	00919 00883
SET-AC-TYPE	01248 01253
SET-PRIORITY-1	01244 01256
SET-PRIORITY-2	01263 01240 01246 01252
SET-PRIORITY-3	01091 01102 01104 01125
SET-PRIORITY-4	01103 01096
STOP-THE-P-5-PERFORM	01108 01113
	01114 01112
	01133 NONE



4000 CUBOL DATA NAME CROSS REFERENCE LIST  
REFERENCES

NAME	DEFINITION	REFERENCES
ACFT-CODE	00078 00897	
ACFT-PRI	00077 00896 01854	
ACL	00440 01165 01166	
ACL5	00455 01188 01193 01195 01196 01196 01228	
ACL9	00313 01733	
ACL-C130	00278 NONE	
ACL-C141	00287 NONE	
ACL-CS	00296 NONE	
ACL-HOLD	00312 01162 01166 01194 01196	
AC-A-SUN-FLG	00247 00848 00992 01209	
AC-CODE	00140 01265 01266 01267 01272 01274	
AC-GEN-IND	00236 01859	
AC-HDD	00512 01182	
AC-MD	00513 00932 01182 01235 01265 01266 01267 01272 01274	
AC-PR	00149 01854	
AC-PRI	00139 01264	
AC-PRI-SW	00422 01074	
AFCMD	00467 01222	
AIRCRAFT-DIAGNOSTIC	00553 01284	
AIRCRAFT-FILE	00129 00873 00892 00896 00900 01635 01636 01640 01655	
AIRCRAFT-GENERATED	00238 NONE	
AIRCRAFT-LIST	00379 01282 01638 01641	
AIRCRAFT-NOT-GENERATED	00237 01651 01688	
AIRCRAFT-REC	00137 01237 01275 01641	
AIR-CFT	00509 01237	
AIR-CIR	00219 01276 01872	
ALW-NI-A	00517 01228	
ALW-NI-A9	00518 NONE	
AM-KEY	00075 00898	
AMEA-C130	00317 01899	
AMEA-C141	00316 01898	
AMEA-CS	00315 01897	
ARR	00659 01227	
ARV-AFLD	00516 01227	
AVAIL-PASS-FILE	00080 00917 01600	
AVAIL-PASS-REC	00088 01837 01838	
AVA-PASS	00221 01839 01875	
A-F	00243 01180 01187 01211 01213 01278 01279 01298 01310 01372 01375 01378 01381	
BN-CL	00371 01526 01389 01473 01505 01532 01533	
BPK-DESC	00489 NONE	
BUMP-NO	00054 00904 01583 01584 01792 01816	
CARD-IN	00155 00925	
CARD-4	00166 01281	
CARD-NO	00222 00924 00988	
CARGO-DIAGNOSTIC	00529 01510	
CARGO-DIG-CLEAR	00530 01509	
CARGO-LIST	00355 01296 01608 01746 01759	
CARRIER	00511 01222	
CARR-LUNT	00124 NONE	
CSRT	00165 NONE	
CU1	00395 00925 00943 00968 00974 00981 00987 01007 01010 01101 01143	
CU1-PROCESSED	00233 01016	
CU2	00430 NONE	
CU2-PROCESSED	00234 01084	



6000 CDBOL DATA NAME CROSS REFERENCE LIST  
REFERENCES

## DEFINITION

## NAME

DEF-PAS-RESET

DEP

DEP-AFLD

DESC

DIAGNOSTIC-AREA

DIMENSION-AREA

D-1-430

D-AFCAD

D-ALWDT

D-ARVAFLD

D-BJAP

D-ED

D-ECG

D-CHAR2

D-CHAR4

D-CHAR5

D-CHAR3

D-CP

D-DEPAFLD

D-FLS

D-4TH

D-LLS

D-LTH

D-415M

D-404

D-PAK

D-PAK4

D-PAK1

D-2TV

D-2IV

D-RNK

D-SEQ

D-SLT

D-SL2

D-SP

D-SSAN

D-TRILUD

D-FAL-DLAP

D-JID

D-4T

D-4TH

D-CCODE

EPJ

EQ3-SSAN

EQ3-S-SSAN

EQJIP-4AK

EQ-LNAE

EQ-LNAE-TEMP

EQ-LNKP

E-J-MESG

E-PASS-LAT

FDECK

FGEN

FINTEG

03216 01677

03458 01226

03515 01226

03498 01449 01512

03528 01179 01295

03495 01309 01310 01317

03557 01137

03569 NONE

03558 01174

03561 NONE

03548 NONE

03551 NONE

03546 01321 01343

03534 00857

03541 00850

03536 00856

03542 00851

03538 00859 00852

03568 NONE

03550 NONE

03566 01204

03544 01315 01333 01381

03557 01207

03542 01313 01325 01375

03563 NONE

03536 NONE

03544 01138

03585 01201

03547 NONE

03549 NONE

03559 NONE

03535 NONE

03532 01231

03535 00855

03537 00855

03550 NONE

03537 01542

03562 01212

03540 01404 01409

03534 01430

03545 01316 01337 01353 01372

03543 01314 01329 01378

03541 01357 01387

03522 01230

03539 NONE

03593 NONE

03118 01500 01900 01526

03504 00978 00982 01435 01526

03597 01436

03492 NONE

03128 NONE

03521 NONE

03537 01036

03463 01039 01220 01455

03462 00931 00933 00934 01056 01241 01301 01414

6000 CUBOL DATA NAME CROSS REFERENCE LIST REFERENCES

NAME	DEFINITION	REFERENCES
FIRST-KEY	00112 01895	
FIRST-TIME	00231 01003	
FLAG-X	00245 01006	
	01181 01186 01195 01199 01202 01205 01208 01212 01279 01307 01318	
	01322 01326 01330 01334 01340 01344 01355 01366 01380 01410 01418	
FLIST	01431 01477 01502 01503 01543 01597 01755 01757 01829	
FLS	00336 01033 01401	
FLSA	00464 01191 01203 01205 01231	
FLS9	00523 NONE	
FLY9	00524 01231	
FORM-NAME	00339 01045 01069 01021	
FORM-NUMBER	00621 01562	
FPLAN	00338 01039	
FPRIO	00341 01053 01439 01589	
FTELE	00340 01050 01069	
FTIME	00230 01003 01028 01070 01080 01088 01289 01292	
F-T-L-M	00229 01025 01027	
GEN-ARCFT	00411 01057	
GETDATE	00433 00853	
GETTIME	00428 00863 00865	
GO-KEY	00252 01040 01040	
GO-T	00255 01895	
G-K	00253 NONE	
HD-SUB	00712 01177 01293 01602 01624 01632 01653 01657 01742	
HEAD-UF-FORM	00601 01564	
HELT-LTH-LMTS	00599 NONE	
HM	00415 NONE	
HM	00429 NONE	
HL-LMTS	00598 NONE	
HS2	00709 01757 01828	
HTH	00448 01150 01151	
HTHE	00498 01314 01331 01332 01333 01339 01379 01458 01515	
HTH-CL	00366 01515	
HTH-C130	00274 NONE	
HTH-C141	00283 NONE	
HTH-CS	00292 NONE	
HTH-FILL	00265 NONE	
HTH-HOLD	00304 01151	
HTH-S	00067 01788	
HM9	00905 01491 01726	
I	00239 00928 00928 00929 01089 01092 01093 01094 01095 01096 01098 01122 01339	
	01340 01345 01349 01350 01399 01416 01417 01420 01421 01423 01429 01430	
	01432 01433 01434 01437 01574 01610 01612 01613 01614 01615 01616	
	01618 01619 01664 01667 01678 01673 01724 01725 01726 01727 01728 01733	
	01734 01735 01903 01905 01906 01907	
INDX-AIR	00141 00873 01635	
INDX-AIR-REC	00146 01051 01055 01060	
INIT-POINT	00102 NONE	
INIT-TOC	00101 NONE	
INIT-UID	00100 NONE	
INPUT-SEQ	00228 01438 01598 01760 01773	
INTEGRITY	00409 00938 01054	
I-SET	00251 01417 01418	
J	00240 00939 00955 00957 00957 00971 00973 00975 00977 00982 00983 00994 00995	
	01089 01097 01098 01099 01104 01106 01109 01110 01111 01113 01115 01116	
	01117 01118 01122 01123 01128 01129 01130 01131 01139 01147 01149	



NAME	DEFINITION	6000 CUBUL DATA NAME CROSS REFERENCE LIST	REFERENCES
KEY-AIR	00510 01221	01151 01253 01158 01160 01161 01162 01164 01166 01168 01169 01171 01184	
KEY-AIR1	00147 01852	01194 01196 01218 01369 01383 01384 01390 01393 01396 01406 01475	
KEY-NFB	00186 00911 00915 01763 01090	01480 01483 01487 01489 01491 01493 01495 01498 01557 01574 01579 01581	
KEY-MFN	00223 00911 01763	01619 01628 01689 01691 01692 01693 01694 01698 01702 01703 01709 01710	
KEY-J	00046 00879	01711 01712 01716 01721 01767 01768 01791 01793 01911 01912 01914	
KEY-2	00045 00881		
KEY-3	00042 00880		
KEY-4	00047 00882	00989 00992	
LEFT-SHIFT	00394 01098		
LIMITS-AREA	00261 NONE		
LIMITS-C130	00271 NONE		
LIMITS-C141	00280 NONE		
LIMITS-CS	00289 NONE		
LIMITS-FILL	00252 NONE		
LIMITS-HOLD	00299 01907		
LIMITS-REDER	00298 NONE		
LIMIT-CODES	00592 NONE		
LIN-ITS	00098 01880	01083 01865 01887 01907	
LINE-COUNT	00226 00850	01175 01286 01529 01530 01563 01607 01645 01646 01752 01754 01833	
LIST-AREA	00351 01285 01528 01644		
LLS	00465 01192 01208 01206 01208 01232		
LLSA	00525 NONE		
LLS9	00526 01232		
LNCNT	00267 01065	01176 01531 01628 01647 01754 01891	
LNS	00416 01065		
LNS-9	00417 01065		
LTH	00446 01146 01147		
LTHE	00496 01312 01323 01324 01325 01325 01339 01341 01343 01347 01349 01362 01362		
LTH-CL	01344 01373 01456 01513		
LTH-C130	00364 01513		
LTH-C141	00272 NONE		
LTH-CS	00281 NONE		
LTH-FILL	00290 NONE		
LTH-HOLD	00263 NONE		
LTH-S	00300 01147		
L9	00065 01786	01724	
L-C	00301 01483		
MASTER-FILE	00593 NONE		
MASTER-RECORD	01180 00916 01599		
MASTR-CIR	00185 00910 00913 01836 01842		
MAX-HELL-LTH	00215 01841 01871		
MAX-PASS-WT	00600 01487		
MISSION	00218 01552	01552 01675 01676	
MIXCS	00514 01225		
MIX-C130	00294 NONE		
MIX-C141	00276 NONE		
MIX-HOLD	00285 NONE		
	00306 01691 01709 01710		



6000 COBOL DATA NAME CROSS REFERENCE LIST  
REFERENCES

NAME DEFINITION

MM	00617 NONE
MM	00630 NONE
MM	00661 01225
MODEL	00436 01128 01129 01130 01131 01134 01186 01223
MR-CCG	00205 NONE
MR-COMMENTS	00198 NONE
MR-EOLNK	00193 NONE
MR-HTH	00204 NONE
MR-LTH	00202 NONE
MR-NAM	00190 00912
MR-NOM	00188 NONE
MR-PR-NO	00192 NONE
MR-RK	00189 NONE
MR-SIZE-CODE	00197 NONE
MR-SSAN	00200 NONE
MR-VRN	00191 NONE
MR-WT	00201 NONE
MR-WTH	00203 NONE
MR-XCODE	00199 NONE
M9	00309 01171 01692 01735
NAME	00473 01456
NEW-LINE-1	00764 01750
NEW-LINE-2	00782 01751
NEW-LINE-3	00790 01831
NBOL	00601 01037
NOLIST	00397 01031
NOMATEING	00603 01060
NOMENCLATURE	00049 NONE
NOMEN-PRIME	00051 01775
NOMEN-RNK	00050 01779
NOM-CL	00358 01512
NOM-AC	00227 00893 01175 01217 01221 01280 01637 01642 01643 01656 01853 01858
NOM-APS	00244 NONE
NOM-COPIES	00344 01060 01064 01627 01890
NOM-COPIES-X	00345 01061 01062
NOM-C130	00279 01894
NOM-C141	00288 01893
NOM-C5	00297 01892
NOM-FIL	00270 01219
NOM-HOLD	00314 01218
NOM-PLANE	00260 NONE
NOM-PR	00346 00849 01111 01812 01253 01256 01420 01422 01429 01613 01914
NPR1	00246 01240 01243 01245 01246 01247 01252 01255 01256 01258 01264 01863
NTEMP	00250 01247 01249 01250 01251 01253
N-CG	00821 01790
N-CGD-CD	00811 01785
N-HTH	00817 01788
N-LINE-3-AC-REQ	00834 NONE
N-LINE-3-BODY	00796 01772
N-LINE-3-SEQ	00791 NONE
N-LINK	00825 01792
N-LTH	00813 01786
N-NUMEN	00801 NONE
N-NUMEN-1	00802 01775
N-NUMEN-2	00803 01776

6000 CUBOL DATA NAME CROSS REFERENCE LIST  
REFERENCES

## DEFINITION

## NAME

N-OUT-S	00827 01811	01815 01917 01822 01835
N-PAX	00838 01801	01803 01805 01807 01810
N-PLANE	00836 01801	
N-PRI	00823 01791	
N-RANK	00799 01779	
N-SEQ	00793 01773	
N-SHREQ	00831 01795	
N-SPHD	00829 01797	
N-SSN	00805 01779	
N-SSN-R	00806 NONE	
N-TR-UV	00808 01784	
N-UID	00797 01774	
N-WEIGHT	00819 01789	
N-WTH	00815 01787	
OPT-IN-E1	00730 01629	
OPT-IN-E2	00735 01630	
OPT-IN-E3	00740 01631	
OUT-MAX	00319 01498	01901
PAGEND	00225 01560	01562 01877
PARAM-HD2	00327 01877	
PARAM-HD3	00644 01680	
PARAM-HD4	00648 01661	
PARAM-HD5	00652 01662	
PARAM-ACL	00668 01733	
PARAM-ACL-AST	00669 01730	
PARAM-CARGO-TYPE	00658 01663	01666 01669 01672
PARAM-FILE	00089 01876	01917
PARAM-LTH	00664 01724	
PARAM-L1	00680 01724	
PARAM-L2	00656 01737	
PARAM-L2-A	00676 01679	
PARAM-L3	00681 01681	
PARAM-MIX	00686 01883	
PARAM-MIX-AST	00675 01732	
PARAM-PCC	00671 01734	
PARAM-PCC-AST	00672 01731	
PARAM-PO	00691 01695	
PARAM-PDA	00695 01701	
PARAM-PDN	00697 01695	
PARAM-PM	00698 01713	
PARAM-PMA	00702 01720	
PARAM-PMN	00704 01713	
PARAM-PWT	00680 01678	
PARAM-SCH	00690 01682	
PARAM-WT	00666 01727	
PARAM-WTH	00662 01725	
PASS-BUMP	00194 NONE	
PASS-LMT-A	00519 01229	
PASS-MAX	00320 01544	01881
PAS-DATA-HOLD-AREA	00321 00851	01878
PAS-DATA-1	00322 NONE	
PAS-DATA-2	00323 NONE	
PAS-DATA-3	00324 NONE	
PAS-EQUIP	00326 01160	01711 01712

6000 CUBOL DATA NAME CROSS REFERENCE LIST  
REFERENCES

NAME	DEFINITION	00325	01158	01693	01694	01605	01621
PAS-ONLY		00325	01158	01693	01694		
PAX		00442	01155	01157			
PAXA		00462	01189	01197	01199	01229	
PAXAM		00463	01190	01200	01202	01230	
PAXM		00444	01156	01159			
PAXMT		00269	01137	01545	01546	01676	01678
PAXM9		00445	01159	01160			
PAX9		00443	01157	01158			
PAX-MI		00450	01195	01161	01162		
PAX-MI9		00451	01136				
PCG9		00307	01734				
PCG-CL30		00275	NONE				
PCG-CL41		00284	NONE				
PCG-CS		00293	NONE				
PCG-MHLD		00306	01168				
PEJ-CTR		00207	00944	01875			
PHD-CL30		00111	01894				
PHD-CL41		00110	01893				
PHD-CS		00109	01892				
POINTER		00391	01115	01432	01590	01616	
PRIE		00502	01360	01360	01440	01518	
PRIE-X		00503	NONE				
PRINTER-FILE		00120	00869	01918			
PRINTER-RECORD		00123	00871	01178	01283	01294	01510
			01626	01629	01630	01631	01634
			01681	01683	01695	01713	01737
						01740	01745
						01750	01751
						01831	
PRINT-LTH		00266	01682				
PRIORITY-FILE		00387	NONE				
PRIORITY		00069	00903	01580	01581	01590	01590
PRIP		00481	01356	01357	01358	01359	01359
PRITY		00407	01051				
PR-CL		00369	01518				
PR-HDR		00713	01605				
PR-LIST		00721	01621				
PR-OUT		00725	01615				
PR-PRI		00727	01616				
PR-UID		00723	01614				
PRMS-1		00097	01878	01879	01882	01884	01886
PRMS-2		00099	01912	01913			01908
PRMS-3		00104	01896				
PRMS-4		00113	01902				
PRM-UDPTS		00105	NONE				
PRTY		00388	01912				
PR-NO		00053	01590	01774			
PR-NO-TEMP		00596	01437				
PR-T		00178	NONE				
PRPS		00476	01308	01461	01522		
P-AREA-CL30		00116	01899				
P-AREA-CL41		00115	01898				
P-AREA-CS		00114	01881	01897			
P-CUPIES		00107	01890				
P-EQUIP-MAX		00117	01900				
P-FLAGS		00106	01889				
P-LNCNT		00108	01891				
P-L-R		00520	NONE				

6000 CUBOL DATA NAME CROSS REFERENCE LIST  
REFERENCES

NAME	DEFINITION	0018	01901
P-OUT-MAX		0018	01901
QTY		00456	00953
QTY-CL		00372	01520
QTY-9		00457	00956
RATIO		00438	01170
RDY-FUR-CU1		00232	01013
REJ-CTR		00220	01532
REPE		00505	01520
REPE-9		00506	NONE
REPP		00483	00962
REPP-9		00484	00972
REST6		00491	01450
RK		00472	01445
RNK-CL		00357	NONE
R9		00439	01271
R-CLK-WU		00196	NONE
R-D-L		00126	NONE
R-FLAG		00195	NONE
R-J-GETDATE		00639	NONE
SAVE-3-UID		00256	NONE
SAV3-UID		00258	00935
SAV-MOD		00468	00951
SAV-3-UID		00257	NONE
SEQAC		00242	00849
SEQUENCE		00353	01280
SEQ-AD		00555	NONE
SET-10-FLAGS		00335	01889
SHIFT-LEFT		00393	01090
SI-F-PMDF		00578	01469
SIZE-CODE-S		00055	01777
SORT-TILE		00038	00877
SORT-REC		00571	01535
SPE		00507	01451
SPE-HID		00580	01453
SP-CL		00173	01519
SRIO-LDS		00156	00883
SRT-AIR-REC		00074	01851
SS		00619	NONE
SS		00631	NONE
SSAN		00474	01469
SSAN-CL		00359	01463
SSAN-CL-EQ		00360	NONE
SSAN-S		00060	NONE
SSAN-S9		00063	01778
SSAN-TR-UV		00062	01781
SSAN-9		00475	01462
START-KEY		00224	01762
SUB-HD		00710	01178
SUB-REC		00187	01764
S1		00041	00987
S2		00048	01535
S3		00073	NONE
S-CCG		00590	01460
S-DESC		00572	NONE
S-DESK1		00574	01447



6000 CUBOL DATA NAME CROSS REFERENCE LIST  
REFERENCES

NAME	DEFINITION	REFERENCES
S-EQ-LNKE	00577 NONE	
S-HTH	00589 01458 01491	
S-LTH	00587 01456 01483 01487	
S-N	00428 00929 00935 01011 01012	
S-N-X	00429 00926 00927 01498	
S-PRI	00576 01498 01498	
S-PRITY	00591 01441 01442	
S-RK	00573 01446 01449	
S-SSAN	00582 01465 01470	
S-TRL-OLAP	00585 01465	
S-VRN	00575 01455	
S-WI	00586 01459	
S-WTH	00588 01457 01489	
S-XCODE	00581 01396 01444 01467 01481	
TALLY	00000 00961 00963	
TELESCOPING	00405 01047 01048	
TEMP-FILE	00168 00891 00905 01002	
TEMP-RECORD	00176 01591	
TIME-AREA	00613 00865	
TITLE	00431 01078	
TN	00460 00990 01209 01224	
TOCMIU-PF	00390 01117 01433 01498 01498 01615	
TRL-OLAP	00493 01401 01402 01403 01405 01407 01408 01410 01465 01525	
TRL-OLAP-CL	00362 01525	
TI-29	00368 01883	
T30-58	00349 01885	
T59-72	00350 01887	
UID	00471 00935 00936 00951 00952 01010 01012 01303 01305 01397 01398 01423 01430	
UID-CL	00356 01105 01113 01116 01511	
UID-HOLD	00248 01303 01306	
UID-PF	00389 01113 01116 01245 01423 01430 01614 01620 01774	
USER-TITLE	00622 00871 01566	
USER-TITLE1	00625 00870 00885 01078 01085	
USER-TITLE2	00347 01078 01085	
VKN-CL	00370 NONE	
VKN-S	00052 00888 01578 01587 01766 01767	
VKN-TEMP	00595 01455 01575 01579 01586 01587 01765 01767	
WTG	00449 01152 01153	
WTGE	00499 01315 01335 01336 01337 01337 01339 01349 01352 01353 01353 01370 01459	
WTH	00447 01148 01149	
WTH	00497 01313 01327 01328 01329 01329 01339 01363 01364 01376 01457 01514	
WTH-CL	00365 01514	
WTH-CL130	00273 NONE	
WTH-CL141	00282 NONE	
WTH-CS	00291 NONE	
WTH-FILL	00264 NONE	
WTH-HOLD	00302 01149	
WTH-S	00066 01787	
WTP	00478 01545	
WTP-9	00479 01470 01546 01547 01551 01552	
WT9	00311 01493 01727	
WT-CL	00367 01516	



6000 CUBOL DATA NAME CROSS REFERENCE LIST  
REFERENCES

## DEFINITION

## NAME

WT-C130  
WT-C141  
WT-C5  
WT-FILL  
WT-HOLD  
WT-S  
W9  
XCDOE  
XCDOE-S  
XCOP  
XDECK  
XDIAG  
XGEN  
XINTG  
XLIN  
XLIST  
XNATE  
XPLUS  
XPRI0  
XTELE

00277 NONE  
00286 NONE  
00295 NONE  
00268 NONE  
00310 01153  
00064 01789  
00303 01489  
00363 01527  
00059 00889  
00758 01627  
00744 01036  
00746 01039  
00756 01059  
00754 01056  
00700 01628  
00742 01033  
00748 01047  
00241 00849  
00752 01053  
00750 01050

01725

00905 01582 01785 01793 01794

01242

01107 01115

```

MFB MUS/BE 1.2      DPFU-461 09/27/78
09-56-02-ANTV3V FROM JAC
09-56-02-IP 00000320 WORDS - FILE INPUT , DC 04 , ID=AQ
09-56-02-ANTVIT177,CN125000,SPUU,DEF011
09-56-06-TASK,TN=AMPS,TA=21740,US=ATCLO,TR=15,PI=
09-56-06-JEF.
09-56-10-REDUCE.
09-56-11-AUDIT, ID=AMPS.
09-56-15- EXIT
09-56-15-ATTACH,VAL,NEWVALRESEONDV, ID=AMPS.
09-56-16-PF CYCLE NO. = 001
09-56-16-REQUEST, JAY, *PF.
09-56-16-UPDATE, C,D,F,P=VAL,N=JAY.
09-56-21- UPDATE COMPLETE.
09-56-22-RETURN, VAL.
09-56-22-MFL, 125000.
10-04-12-COBOL, I=COMPILE, LR.
10-04-26-COMPILING VALAMP
10-05-12- 000 E AND T/U DIAGNOSTICS ISSUED
10-05-12- 063100B SCM USED
10-05-19- 27.058 CP SECONDS COMPILATION TIME
10-05-19-END COBOL
10-05-19-EXIT.
10-05-20-OP 00032512 WORDS - FILE OUTPUT , DC 40 , ID=AQ
10-05-20- NORMAL TERMINATION
10-05-20-MS 34048 WORDS T 93184 MAX USED
10-05-20-CPA 26.349 SEC. 26.349 ADJ.
10-05-20-CPB 4.791 SEC. 4.791 ADJ.
10-05-20-IO 12.067 SEC. 12.067 ADJ.
10-05-20-CM 1616.904 KWS. 98.687 ADJ.
10-05-20-SS 141.897
10-05-20-PP 27.438 SEC.
10-05-20-MAX FL 125000 OCTAL
10-05-20-EJ END OF JOB, AQ

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00010 IDENTIFICATION DIVISION.
00020 PROGRAM-ID. LDAMP.
00030 INSTALLATION. GSA HUNTSVILLE.
00040 DATE-WRITTEN. MAY 25, 1976.
00050 DATE-COMPILED. 11/03/78.
00060 SECURITY. UNCLASSIFIED.
00070 ENVIRONMENT DIVISION.
00080 CONFIGURATION SECTION.
00090 SOURCE-COMPUTER. 6500.
00100 OBJECT-COMPUTER. 6500.
00110 SEGMENT LIMIT IS 4.
00120 SPECIAL-NAMES.
00130 "J" IS TOP-OF-PAGE.
00140 INPUT-OUTPUT SECTION.
00150 FILE-CONTROL.
00160 SELECT AVAIL-PASS-FILE ASSIGN TO PASSF.
00170 SELECT PRINTER-FILE ASSIGN TO OUTPUT.
00180 SELECT PARM-FILE ASSIGN TO PARM.
00190 SELECT AIRCRAFT-FILE ASSIGN TO AIR.
00200 ACCESS MODE IS RANDOM
00210 ORGANIZATION IS INDEXED
00220 FILE-LIMIT IS 200
00230 SYMBOLIC KEY IS NO-AC.
00240 SELECT MASTER-FILE ASSIGN TO MASTER
00250 ACCESS MODE IS RANDOM
00260 ORGANIZATION IS INDEXED
00270 FILE-LIMIT IS 2000
00280 RECORD KEY IS KEY-MFR
00290 SYMBOLIC KEY IS KEY-MFN.
00300 SELECT HELI-LOAD-FILE ASSIGN TO HELI
00310 ACCESS MODE IS RANDOM
00320 ORGANIZATION IS INDEXED
00330 FILE-LIMIT IS 2000
00340 RECORD KEY IS HELI-LOAD-MU
00350 SYMBOLIC KEY IS HNDM-KEY.
00360 I-O-CONTROL.
00370 SAME AREA FOR AVAIL-PASS-FILE PARM-FILE.
00380 DATA DIVISION.
00390 FILE SECTION.
00400 FD AVAIL-PASS-FILE
00410 LABEL RECORDS ARE OMITTED
00420 LABEL RECORDS ARE STANDARD
00430 RECORD CONTAINS 82 CHARACTERS
00440 BLOCK CONTAINS 15 RECORDS
00450 DATA RECORD IS AVAIL-PASS-REC.
00460 PICTURE X(82).
00470 FD PARM-FILE
00480 LABEL RECORDS ARE OMITTED
00490 LABEL RECORDS ARE STANDARD
00500 RECORD CONTAINS 32 CHARACTERS
00510 BLOCK CONTAINS 30 RECORDS
00520 DATA RECORDS ARE PRMS-1 PRMS-2 PRMS-3 PRMS-4.
00530 PRMS-1.
00540 05 LIM-ITS
00550 05 FILLER
00560 PICTURE X(13).
00570 05 INIT-UID
00580 PICTURE X(7).
```

00 58	000580	05 INIT-TOC	PIC 9181.	0005810AD	59
00 59	000590	05 INIT-POINT	PIC 9183.	0005910AD	60
00 60	000600	05 INIT-CU10	PICTURE X.	0006010AD	61
00 61	000610	05 FILLER	PICTURE X1131.	0006110AD	62
00 62	000620	01 PRMS-3.		0006210AD	63
00 63	000630	05 PUOP	PIC X1161.	0006310AD	64
00 64	000640	05 PNU-C5	PICTURE 9131.	0006410AD	65
00 65	000650	05 PNU-C141	PICTURE 9131.	0006510AD	66
00 66	000660	05 PNU-C130	PICTURE 9131.	0006610AD	67
00 67	000670	05 FIRST-KEY	PICTURE 9171.	0006710AD	68
00 68	000680	01 PRMS-4.		0006810AD	69
00 69	000690	05 P-AREA-C5	PICTURE 9161.	0006910AD	70
00 70	000700	05 P-AREA-C141	PICTURE 9161.	0007010AD	71
00 71	000710	05 P-AREA-C130	PICTURE 9161.	0007110AD	72
00 72	000720	05 P-EQUIP-MAX	PICTURE 9161.	0007210AD	73
00 73	000730	05 P-OUT-MAX	PICTURE 9151.	0007310AD	74
00 74	000740	05 FILLER	PICTURE X131.	0007410AD	75
00 75	000750	FD AIRCRAFT-FILE		0007510AD	76
00 76	000760	LABEL RECORDS ARE OMITTED		0007610AD	77
00 77	000770	LABEL RECORDS ARE STANDARD		0007710AD	78
00 78	000780	RECORD CONTAINS 68 CHARACTERS		0007810AD	79
00 79	000790	BLOCK CONTAINS 15 RECORDS		0007910AD	80
00 80	000800	DATA RECORD IS AIRCRAFT-RECORD.		0008010AD	81
00 81	000810	01 AIRCRAFT-RECORD.		0008110AD	82
00 82	000820	05 AIRCRAFT-DATA.		0008210AD	83
00 83	000830	07 AIR-KEY	PICTURE 9141.	0008310AD	84
00 84	000840	07 CARRIER	PICTURE XXX.	0008410AD	85
00 85	000850	07 AC-MOD	PICTURE X151.	0008510AD	86
00 86	000860	07 AC-MD	PICTURE X171.	0008610AD	87
00 87	000870	07 MISSION	PICTURE X1121.	0008710AD	88
00 88	000880	07 DEP-AFLD	PICTURE X141.	0008810AD	89
00 89	000890	07 ARV-AFLD	PICTURE X141.	0008910AD	90
00 90	000900	07 ALM-MT	PICTURE 9161.	0009010AD	91
00 91	000910	07 PASS-LMT	PICTURE XXX.	0009110AD	92
00 92	000920	07 PASS-LMT-R REDEFINES PASS-LMT	PICTURE 999.	0009210AD	93
00 93	000930	07 E-PASS-LMT	PICTURE 999.	0009310AD	94
00 94	000940	07 EP9 REDEFINES E-PASS-LMT	PICTURE XXX.	0009410AD	95
00 95	000950	07 FLS	PICTURE 9141.	0009510AD	96
00 96	000960	07 FLS9 REDEFINES FLS	PICTURE X141.	0009610AD	97
00 97	000970	07 LLS	PICTURE 9141.	0009710AD	98
00 98	000980	07 LLS9 REDEFINES LLS	PICTURE XXXX.	0009810AD	99
00 99	000990	07 COMF-PAL	PICTURE 9.	0009910AD	100
0100	001000	07 AC-PRI	PICTURE 99.	0010010AD	101
0101	001010	07 CHLK-MD	PICTURE 9141.	0010110AD	102
0102	001020	07 CHLK-MD-X REDEFINES CHLK-MD	PICTURE XXXX.	0010210AD	103
0103	001030	FD MASTER-FILE		0010310AD	104
0104	001040	LABEL RECORDS ARE OMITTED		0010410AD	105
0105	001050	LABEL RECORDS ARE STANDARD		0010510AD	106
0106	001060	RECORD CONTAINS 82 CHARACTERS		0010610AD	107
0107	001070	BLOCK CONTAINS 15 RECORDS		0010710AD	108
0108	001080	DATA RECORDS IS MASTER-RECORD.		0010810AD	109
0109	001090	01 MASTER-RECORD.		0010910AD	110
0110	001100	05 KEY-MFR	PICTURE 9181.	0011010AD	111
0111	001110	05 KEY-MFB REDEFINES KEY-MFR	PICTURE 9181.	0011110AD	112
0112	001120	05 SUB-MASTER-RECORD.		0011210AD	113
0113	001130	07 NUMENCLATURE.		0011310AD	114
0114	001140	09 RANK	PICTURE XXX.	0011410AD	115



00115	001150	07	VRN.	PICTURE X(171).	00115LOAD	116
00116	001160	09	PR-NO	PICTURE 99.	00116LOAD	117
00117	001170	09	BUMP-NO	PICTURE X(161).	00117LOAD	118
00118	001180	09	PASS-BUMP	REDEFINES BUMP-NO.	00118LOAD	119
00119	001190	11	R-FLAG	PICTURE XX.	00119LOAD	120
00120	001200	11	R-CLK-NO	PICTURE X(141).	00120LOAD	121
00121	001210	07	SIZE-CODE	PICTURE X.	00121LOAD	122
00122	001220	07	COMENTS	REDEFINES COMENTS.	00122LOAD	123
00123	001230	09	Q-C.	PIC XX.	00123LOAD	124
00124	001240	11	FILLER	PIC X(18).	00124LOAD	125
00125	001250	11	Q-COM	PIC X.	00125LOAD	126
00126	001260	09	Q-CHK-NO	PIC 9(14).	00126LOAD	127
00127	001270	07	XCODE	PICTURE 99.	00127LOAD	128
00128	001280	07	SSAN	PICTURE 9(19).	00128LOAD	129
00129	001290	07	WT	PICTURE 9(16).	00129LOAD	130
00130	001300	07	LTH	PICTURE 9(14).	00130LOAD	131
00131	001310	07	MTM	PICTURE 9(13).	00131LOAD	132
00132	001320	07	HTH	PICTURE 9(13).	00132LOAD	133
00133	001330	07	CGC	PICTURE 9(13).	00133LOAD	134
00134	001340	07	CGC	PICTURE 9(13).	00134LOAD	135
00135	001350	07	CGC	PICTURE 9(13).	00135LOAD	136
00136	001360	07	CGC	PICTURE 9(13).	00136LOAD	137
00137	001370	07	CGC	PICTURE 9(13).	00137LOAD	138
00138	001380	07	CGC	PICTURE 9(13).	00138LOAD	139
00139	001390	07	CGC	PICTURE 9(13).	00139LOAD	140
00140	001400	07	CGC	PICTURE 9(13).	00140LOAD	141
00141	001410	07	CGC	PICTURE 9(13).	00141LOAD	142
00142	001420	07	CGC	PICTURE 9(13).	00142LOAD	143
00143	001430	07	CGC	PICTURE 9(13).	00143LOAD	144
00144	001440	07	CGC	PICTURE 9(13).	00144LOAD	145
00145	001450	07	CGC	PICTURE 9(13).	00145LOAD	146
00146	001460	07	CGC	PICTURE 9(13).	00146LOAD	147
00147	001470	07	CGC	PICTURE 9(13).	00147LOAD	148
00148	001480	07	CGC	PICTURE 9(13).	00148LOAD	149
00149	001490	07	CGC	PICTURE 9(13).	00149LOAD	150
00150	001500	07	CGC	PICTURE 9(13).	00150LOAD	151
00151	001510	07	CGC	PICTURE 9(13).	00151LOAD	152
00152	001520	07	CGC	PICTURE 9(13).	00152LOAD	153
00153	001530	07	CGC	PICTURE 9(13).	00153LOAD	154
00154	001540	07	CGC	PICTURE 9(13).	00154LOAD	155
00155	001550	07	CGC	PICTURE 9(13).	00155LOAD	156
00156	001560	07	CGC	PICTURE 9(13).	00156LOAD	157
00157	001570	07	CGC	PICTURE 9(13).	00157LOAD	158
00158	001580	07	CGC	PICTURE 9(13).	00158LOAD	159
00159	001590	07	CGC	PICTURE 9(13).	00159LOAD	160
00160	001600	07	CGC	PICTURE 9(13).	00160LOAD	161
00161	001610	07	CGC	PICTURE 9(13).	00161LOAD	162
00162	001620	07	CGC	PICTURE 9(13).	00162LOAD	163
00163	001630	07	CGC	PICTURE 9(13).	00163LOAD	164
00164	001640	07	CGC	PICTURE 9(13).	00164LOAD	165
00165	001650	07	CGC	PICTURE 9(13).	00165LOAD	166
00166	001660	07	CGC	PICTURE 9(13).	00166LOAD	167
00167	001670	07	CGC	PICTURE 9(13).	00167LOAD	168
00168	001680	07	CGC	PICTURE 9(13).	00168LOAD	169
00169	001690	07	CGC	PICTURE 9(13).	00169LOAD	170
00170	001700	07	CGC	PICTURE 9(13).	00170LOAD	171
00171	001710	07	CGC	PICTURE 9(13).	00171LOAD	172



00172 LABEL RECORDS ARE OMITTED 00172LOAD 173  
00173 DATA RECORD IS PRINTER-RECORD. 00173LOAD 174  
00174 PRINTER-RECORD. 00174LOAD 175  
00175 05 CARR-CONT PICTURE X. 00175LOAD 176  
00176 05 DATA-LINE PICTURE X11321. 00176LOAD 177  
00177 05 R-DATA-LINE REDEFINES DATA-LINE. 00177LOAD 178  
00178 07 FILLER PICTURE X1551. 00178LOAD 179  
00179 07 EDJ-NESS PICTURE X1771. 00179LOAD 180  
00180 05 SR-FF-SH-LINE REDEFINES DATA-LINE. 00180LOAD 181  
00181 07 FILLER PIC X11221. 00181LOAD 182  
00182 07 5-F5-FILLER PIC X1101. 00182LOAD 183  
00183 WORKING-STORAGE SECTION. 00183LOAD 184  
00184 77 REST-CTR PICTURE 99 VALUE 0. 00184LOAD 185  
00185 77 TALL-ITEM PICTURE 9999 VALUE 0. 00185LOAD 186  
00186 77 TALL-QUINTER PICTURE 99 VALUE 0. 00186LOAD 187  
00187 77 ALL-PALLEI-FLG PICTURE 9 VALUE 0. 00187LOAD 188  
00188 77 ALL-PASS-FLG PICTURE 9 VALUE 0. 00188LOAD 189  
00189 77 ORIG-PLCG PICTURE 9999 VALUE 0. 00189LOAD 190  
00190 77 MOD-PLCG PICTURE 9999 VALUE 0. 00190LOAD 191  
00191 77 FMD-STA PICTURE 9999 VALUE 0. 00191LOAD 192  
00192 77 AFT-STA PICTURE 9999 VALUE 0. 00192LOAD 193  
00193 77 MUST-FMD PICTURE 9999 VALUE 0. 00193LOAD 194  
00194 77 MUST-AFI PICTURE 9999 VALUE 0. 00194LOAD 195  
00195 77 NUMBER-FORM PIC 9141 VALUE 0. 00195LOAD 196  
00196 77 PASS-RD-FLG PIC X VALUE LOW-VALUE. 00196LOAD 197  
00197 88 PASS-ALRDY-RD VALUE HIGH-VALUE. 00197LOAD 198  
00198 77 MAX-PASS-GO PICTURE 9999 VALUE 0. 00198LOAD 199  
00199 77 PASS-GO PICTURE 9999 VALUE 0. 00199LOAD 200  
00200 77 PASS-OCURS PICTURE 9999 VALUE 0. 00200LOAD 201  
00201 77 MO-REQ-PASS PICTURE 9999 VALUE 0. 00201LOAD 202  
00202 77 PASS-EDF PICTURE X VALUE LOW-VALUE. 00202LOAD 203  
00203 77 NEXT-MODEL PICTURE X151. 00203LOAD 204  
00204 77 HIGH-CLASS PICTURE X. 00204LOAD 205  
00205 77 LOW-CLASS PICTURE X. 00205LOAD 206  
00206 77 MASTER-EDF PICTURE X. 00206LOAD 207  
00207 77 AIRCRAFT-EIF PICTURE X. 00207LOAD 208  
00208 77 A-F PICTURE 9 VALUE ZEROS. 00208LOAD 209  
00209 77 LOAD-ENG-METHOD PICTURE 8 VALUE 0. 00209LOAD 210  
00210 77 LINE-COUNT PICTURE 99 VALUE 0. 00210LOAD 211  
00211 77 ITERATIONS PICTURE 99 VALUE 0. 00211LOAD 212  
00212 77 NO-EQUIP PICTURE 99 VALUE 0. 00212LOAD 213  
00213 77 NO-PASS PICTURE 9999 VALUE 0. 00213LOAD 214  
00214 77 PAX-LOADED PICTURE 9999 VALUE 0. 00214LOAD 215  
00215 77 PAX-MAX PICTURE 9999 VALUE 0. 00215LOAD 216  
00216 77 R-PAX-NUT-LOADED PICTURE 9999 VALUE 0. 00216LOAD 217  
00217 77 NO-LOADED PICTURE 99 VALUE 0. 00217LOAD 218  
00218 77 INTEG-NUMB PICTURE 99 VALUE 0. 00218LOAD 219  
00219 77 CGTEMP PICTURE 9141 VALUE 0. 00219LOAD 220  
00220 77 CGSTAND PICTURE 9141 VALUE 0. 00220LOAD 221  
00221 77 ONL C PICTURE 9141 VALUE 0. 00221LOAD 222  
00222 77 ENEQU PICTURE 9141 VALUE 0. 00222LOAD 223  
00223 77 PASS-WT PICTURE 9161 VALUE 0. 00223LOAD 224  
00224 77 AREA-C5 PICTURE 9161 VALUE 0. 00224LOAD 225  
00225 77 AREA-C141 PICTURE 9161 VALUE 0. 00225LOAD 226  
00226 77 AREA-C130 PICTURE 9161 VALUE 0. 00226LOAD 227  
00227 77 AREA-AC PICTURE 9161 VALUE 0. 00227LOAD 228  
00228 77 CROSS PICTURE 9161 VALUE 0. 00228LOAD 229

00229	002290 77	XAREA	PICTURE 916) VALUE 0.	00229LOAD 230
00230	002300 77	TEMP-MOMENT	PICTURE 919) VALUE 0.	00230LOAD 231
00231	002310 77	TEMP-GROSS	PICTURE 916) VALUE 0.	00231LOAD 232
00232	002320 77	FACING-FLAG	PICTURE 9 VALUE 0.	00232LOAD 233
00233	002330 77	BEGIN-KEY	PICTURE 918) VALUE 0.	00233LOAD 234
00234	002340 77	NO-AC	PICTURE 916) VALUE 0.	00234LOAD 235
00235	002350 77	SAV-INX	PICTURE 99 VALUE 0.	00235LOAD 236
00236	002360 77	KDUNT	PICTURE 914) VALUE 0.	00236LOAD 237
00237	002370 77	NO-PR	PICTURE 914) COMPUTATIONAL.	00237LOAD 238
00238	002380 77	NO-PLANE	PICTURE 914) VALUE 0.	00238LOAD 239
00239	002390 77	LCG	PICTURE 916) VALUE 0.	00239LOAD 240
00240	002400 77	I	PICTURE 916) VALUE 0.	00240LOAD 241
00241	002410 77	J	PICTURE 916) VALUE 0.	00241LOAD 242
00242	002420 77	K	PICTURE 916) VALUE 0.	00242LOAD 243
00243	002430 77	L	PICTURE 916) VALUE 0.	00243LOAD 244
00244	002440 77	M	PICTURE 916) VALUE 0.	00244LOAD 245
00245	002450 77	N	PICTURE 916) VALUE 0.	00245LOAD 246
00246	002460 77	Z	PICTURE 916) VALUE 0.	00246LOAD 247
00247	002470 77	TEMP	PICTURE 916) VALUE 0.	00247LOAD 248
00248	002480 77	TEMP4 PIC 9999 VALUE 0.	PICTURE 916) VALUE 0.	00248LOAD 249
00249	002490 77	SHIFT	PICTURE 916) VALUE 0.	00249LOAD 250
00250	002500 77	SAV-ALN-WT	PICTURE 918) VALUE 0.	00250LOAD 251
00251	002510 77	NEW-START-KEY	PICTURE 918) USAGE IS COMPUTATIONAL.	00251LOAD 252
00252	002520 77	MOMENT	PICTURE 9110) VALUE 0.	00252LOAD 253
00253	002530 77	KEY-MFN	PICTURE 918) VALUE 0.	00253LOAD 254
00254	002540 77	START-KEY	PICTURE 918) USAGE IS COMPUTATIONAL.	00254LOAD 255
00255	002550 77	AC-RS-KEY	PICTURE 918) USAGE IS COMPUTATIONAL.	00255LOAD 256
00256	002560 77	ART	PICTURE 999 VALUE 0.	00256LOAD 257
00257	002570 77	NO-PALLETS	PICTURE 914) VALUE 0.	00257LOAD 258
00258	002580 77	MFN-C	PICTURE 916) USAGE IS COMPUTATIONAL.	00258LOAD 259
00259	002590 77	HOLD-XAREA	PICTURE 916) VALUE 0.	00259LOAD 260
00260	002600 77	RATIO-C141	PICTURE 916) VALUE 0.	00260LOAD 261
00261	002610 77	RATIO-C130	PICTURE 916) VALUE 0.	00261LOAD 262
00262	002620 77	TEMP-WORK	PICTURE 919) VALUE 0.	00262LOAD 263
00263	002630 77	MAX-NO-ITEMS	PICTURE 999.	00263LOAD 264
00264	002640 77	CONTROL-NUM	PICTURE 999.	00264LOAD 265
00265	002650 77	TEMP-WRK	PICTURE 919) VALUE 0.	00265LOAD 266
00266	002660 77	IND	PICTURE 916) VALUE 0.	00266LOAD 267
00267	002670 77	INX	PICTURE 916) VALUE 0.	00267LOAD 268
00268	002680 77	HALF-TIE-X	PICTURE 914) VALUE 0.	00268LOAD 269
00269	002690 77	HALF-TIE-Y	PICTURE 914) VALUE 0.	00269LOAD 270
00270	002700 77	RANGE-X	PICTURE 914) VALUE 0.	00270LOAD 271
00271	002710 77	X-ROOM	PICTURE 914) VALUE 0.	00271LOAD 272
00272	002720 77	SAV-X	PICTURE 914) VALUE 0.	00272LOAD 273
00273	002730 77	SAV-Y	PICTURE 914) VALUE 0.	00273LOAD 274
00274	002740 77	HALF-TIE	PICTURE 914) VALUE 0.	00274LOAD 275
00275	002750 77	TEMP-TIE	PICTURE 914) VALUE 0.	00275LOAD 276
00276	002760 77	ITEM-CENTER	PICTURE 914) VALUE 0.	00276LOAD 277
00277	002770 77	AC-CENTER	PICTURE 914) VALUE 0.	00277LOAD 278
00278	002780 77	MAX-LEFT	PICTURE 914) VALUE 0.	00278LOAD 279
00279	002790 77	ITEM-LENGTH	PICTURE 914) VALUE 0.	00279LOAD 280
00280	002800 77	ITEM-WIDTH	PICTURE 914) VALUE 0.	00280LOAD 281
00281	002810 77	FORWARD-X	PICTURE 914) VALUE 0.	00281LOAD 282
00282	002820 77	AFT-X	PICTURE 914) VALUE 0.	00282LOAD 283
00283	002830 77	RIGHT-Y	PICTURE 914) VALUE 0.	00283LOAD 284
00284	002840 77	LEFT-Y	PICTURE 914) VALUE 0.	00284LOAD 285
00285	002850 77	Y-RIGHT-INX	PICTURE 914) VALUE 0.	00285LOAD 286

0286	(02860 77	Y-LEFT-INTX	PICTURE 5914).	00286LOAD	287
0287	(02870 77	MAX-FWD	PICTURE 5914).	00287LOAD	288
0288	(02880 77	MAX-AFT	PICTURE 5914).	00288LOAD	289
0289	(02890 77	FWD-HALF	PICTURE 5914).	00289LOAD	290
0290	(02900 77	AFT-HALF	PICTURE 5914).	00290LOAD	291
0291	(02910 77	NO-ITEMS	PICTURE 5914).	00291LOAD	292
0292	(02920 77	GROSS-RAMP	PICTURE 5914) VALUE 0.	00292LOAD	293
0293	(02930 77	RETURN-FLAG	PICTURE 9 VALUE 0.	00293LOAD	294
0294	(02940 77	LOADED-FLAG	PICTURE 9 VALUE 0.	00294LOAD	295
0295	(02950 77	PLD-LOK-FLAG	PICTURE X VALUE "0".	00295LOAD	296
0296	(02960 77	RAIL-LOC	PICTURE 5914).	00296LOAD	297
0297	(02970 77	RAIL-IND	PICTURE 5914).	00297LOAD	298
0298	(02980 77	PASS-INTX	PICTURE 5914).	00298LOAD	299
0299	(02990 77	SAV-CGC	PICTURE 9(14).	00299LOAD	300
0300	(03000 77	COMUNITS	PICTURE X.	00300LOAD	301
0301	(03010 77	TCUCH	PICTURE 59130).	00301LOAD	302
0302	(03020 77	FLUSH-PASS	PICTURE X VALUE "0".	00302LOAD	303
0303	(03030 77	P-C	PICTURE 9 VALUE 1.	00303LOAD	304
0304	(03040 77	END-OF-UNIT	PICTURE X VALUE "N".	00304LOAD	305
0305	(03050 77	SHIFT-FLAG	PICTURE 99 VALUE "0".	00305LOAD	306
0306	(03060 77	CK-RAL-RETURN-IND	PIC X VALUE "N".	00306LOAD	307
0307	(03070 77	AIRCRAFT-USED	PICTURE X VALUE "Y".	00307LOAD	308
0308	(03080 77	SPACE-LEFT	PICTURE 9(13) VALUE ZEROS.	00308LOAD	309
0309	(03090 77	JEOP-WTH	PICTURE 999 VALUE ZEROS.	00309LOAD	310
0310	(03100 77	FORCE-SPECIAL-LOAD	PIC X VALUE "N".	00310LOAD	311
0311	(03110 77	SPECIAL-LOAD-CTR	PIC-999 VALUE ZEROS.	00311LOAD	312
0312	(03120 01	DATE-HOLD.		00312LOAD	313
0313	(03130 05	D-CHAR2	PICTURE XX.	00313LOAD	314
0314	(03140 05	D-SL1	PICTURE X.	00314LOAD	315
0315	(03150 05	D-CHAR5	PICTURE XX.	00315LOAD	316
0316	(03160 05	D-SL2	PICTURE X.	00316LOAD	317
0317	(03170 05	D-CHAR8	PICTURE XX.	00317LOAD	318
0318	(03180 01	R-DATE-HOLD REDEFINES DATE-HOLD.		00318LOAD	319
0319	(03190 05	FILLER	PICTURE XX.	00319LOAD	320
0320	(03200 05	D-CHAR4	PICTURE XX.	00320LOAD	321
0321	(03210 05	D-CHAR6	PICTURE XX.	00321LOAD	322
0322	(03220 05	FILLER	PICTURE XX.	00322LOAD	323
0323	(03230 01	CHALK-NUMBER.		00323LOAD	324
0324	(03240 05	FILLER	PICTURE X VALUE "0".	00324LOAD	325
0325	(03250 05	C-MESS-MUM	PICTURE 9999 VALUE ZEROS.	00325LOAD	326
0326	(03260 05	FILLER	PICTURE X VALUE "0".	00326LOAD	327
0327	(03270 01	M-H-5.		00327LOAD	328
0328	(03280 05	M-HELI-START-1	PICTURE X(2001).	00328LOAD	329
0329	(03290 05	M-HELI-START-2	PICTURE X(2001).	00329LOAD	330
0330	(03300 05	M-HELI-START-3	PICTURE X(2001).	00330LOAD	331
0331	(03310 01	M-HELI-START REDEFINES M-H-5.		00331LOAD	332
0332	(03320 05	M-HELI-START-AC-TYPE OCCURS 10 TIMES.		00332LOAD	333
0333	(03330 10	M-HELI-START-KEY OCCURS 10 TIMES PICTURE 9(16).		00333LOAD	334
0334	(03340 01	WELL-WORK-AREAS.		00334LOAD	335
0335	(03350 05	HELI-PICK-REJECT	PICTURE 9 VALUE ZERO.	00335LOAD	336
0336	(03360 05	HELI-LANES	PICTURE 9(14).	00336LOAD	337
0337	(03370 05	HELI-LANES-WT	PICTURE 9(16).	00337LOAD	338
0338	(03380 05	HELI-SUR	PICTURE 99 VALUE ZEROS.	00338LOAD	339
0339	(03390 05	START-KEY-HOLD	PICTURE 9(18) COMPUTATIONAL.	00339LOAD	340
0340	(03400 05	LOAD-PLAN-HOLD	PICTURE X(250) VALUE ZEROS.	00340LOAD	341
0341	(03410 05	HELI-PICK-TOTAL	PICTURE 99 VALUE ZEROS.	00341LOAD	342
0342	(03420 05	HELI-PICK-CNT.		00342LOAD	343





004000	05 BIAS	PICTURE 99 VALUE ZERO.	00400LOAD	401
004010	05 PK1-LUC	PICTURE 99 VALUE ZERO.	00401LOAD	402
004020	05 PK2-LUC	PICTURE 99 VALUE ZERO.	00402LOAD	403
004030	01 HELI-POINTERS.		00403LOAD	404
004040	05 HELI-PK-PNT OCCURS 2 TIMES.		00404LOAD	405
004050	10 HELI-P-P OCCURS 16 TIMES.		00405LOAD	406
004060	15 HELI-PNTR PICTURE 99.		00406LOAD	407
004070	15 HELI-WT PICTURE 9161.		00407LOAD	408
004080	01 PRIORITY-FILE.		00408LOAD	409
004090	05 PRIORITIES OCCURS 1 TO 100 TIMES DEPENDING ON NO-PR.		00409LOAD	410
004100	07 UID PICTURE X181.		00410LOAD	411
004110	07 TOCWIU PICTURE 9181.		00411LOAD	412
004120	07 POINTER PICTURE 9131.		00412LOAD	413
004130	07 CU10 PICTURE X.		00413LOAD	414
004140	01 HLD-EQ-LD.		00414LOAD	415
004150	02 EQUIP-LOAD-HLD OCCURS 40 TIMES.		00415LOAD	416
004160	05 PFFS PICTURE 9141.		00416LOAD	417
004170	05 PAFS PICTURE 9141.		00417LOAD	418
004180	05 PPND PICTURE 99.		00418LOAD	419
004190	05 FILLER PICTURE X181.		00419LOAD	420
004200	05 VRN.		00420LOAD	421
004210	07 PR-NO PICTURE 99.		00421LOAD	422
004220	07 BUMP-NO PICTURE X161.		00422LOAD	423
004230	05 FILLER PICTURE X1521.		00423LOAD	424
004240	05 DLF-X PICTURE X.		00424LOAD	425
004250	01 LOADING-RECORD.		00425LOAD	426
004260	05 EQUIP-LOAD OCCURS 40 TIMES.		00426LOAD	427
004270	07 EQUIP-KEY PICTURE 9181.		00427LOAD	428
004280	07 NOMENCLATURE.		00428LOAD	429
004290	09 RANK PICTURE XXX.		00429LOAD	430
004300	09 NAME PICTURE X1171.		00430LOAD	431
004310	07 VRN.		00431LOAD	432
004320	09 PR-NO PICTURE 99.		00432LOAD	433
004330	09 BUMP-NO PICTURE X161.		00433LOAD	434
004340	07 LOAD-FLAG PICTURE X.		00434LOAD	435
004350	07 COMMENTS PICTURE X151.		00435LOAD	436
004360	07 XCDE PICTURE 99.		00436LOAD	437
004370	07 SSAN PICTURE 9191.		00437LOAD	438
004380	07 WT PICTURE 9161.		00438LOAD	439
004390	07 LTH PICTURE 9141.		00439LOAD	440
004400	07 NTH PICTURE 9131.		00440LOAD	441
004410	07 HTH PICTURE 9131.		00441LOAD	442
004420	07 C6C PICTURE 9131.		00442LOAD	443
004430	07 LUD-FLAG PICTURE X.		00443LOAD	444
004440	07 PRMCGC PICTURE 9131.		00444LOAD	445
004450	07 RPNT PICTURE 99.		00445LOAD	446
004460	05 PASS-LOAD OCCURS 100 TIMES.		00446LOAD	447
004470	07 PASS-KEY PICTURE 9181.		00447LOAD	448
004480	07 NOMENCLATURE.		00448LOAD	449
004490	09 RANK PICTURE XXX.		00449LOAD	450
004500	09 NAME PICTURE X1171.		00450LOAD	451
004510	07 VRN.		00451LOAD	452
004520	09 PR-NO PICTURE 99.		00452LOAD	453
004530	09 BUMP-NO PICTURE X161.		00453LOAD	454
004540	07 SIZE-CODE PICTURE X.		00454LOAD	455
004550			00455LOAD	456
004560			00456LOAD	457



C080L VA.6 L400 11/03/78 12.52.22.

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00457	004570	07 COMMENTS	PICTURE X(15).	99.	00457LOAD	458
00458	004580	07 XCODE	PICTURE 9(9).		00458LOAD	459
00459	004590	07 SSAN	PICTURE 9(9).		00459LOAD	460
00460	004600	07 WT	PICTURE 9(9).		00460LOAD	461
00461	004610	05 LOKATION	OCCURS 40 TIMES.		00461LOAD	462
00462	004620	07 ITEM-NO	PICTURE 9(4).		00462LOAD	463
00463	004630	07 X-FORWARD	PICTURE 9(4).		00463LOAD	464
00464	004640	07 X-AFT	PICTURE 9(4).		00464LOAD	465
00465	004650	07 CC-X	PICTURE 9(4).		00465LOAD	466
00466	004660	07 CC-Y	PICTURE 9(4).		00466LOAD	467
00467	004670	07 Y-RIGHT	PICTURE 9(4).		00467LOAD	468
00468	004680	07 Y-LEFT	PICTURE 9(4).		00468LOAD	469
00469	004690	07 SCGZ	PICTURE 9(13).		00469LOAD	470
00470	004700	07 LUK-FLAG	PICTURE X.		00470LOAD	471
00471	004710	07 LD-FLAG	PICTURE X.		00471LOAD	472
00472	004720	05 HELI-LOAD	OCCURS 20 TIMES.		00472LOAD	473
00473	004730	07 HELI-KEY	PICTURE 9(18).		00473LOAD	474
00474	004740	07 NOMENCLATURE.			00474LOAD	475
00475	004750	09 RANK	PICTURE XXX.		00475LOAD	476
00476	004760	09 NAME	PICTURE X(17).		00476LOAD	477
00477	004770	07 VRN.			00477LOAD	478
00478	004780	09 PR-NO	PICTURE 99.		00478LOAD	479
00479	004790	09 BUMP-NO			00479LOAD	480
00480	004800	07 LOAD-IND	PICTURE X(6).		00480LOAD	481
00481	004810	07 COMMENTS	PICTURE X.		00481LOAD	482
00482	004820	07 XCODE	PICTURE X(15).		00482LOAD	483
00483	004830	07 SSAN	PICTURE 9(9).		00483LOAD	484
00484	004840	07 WT	PICTURE 9(9).		00484LOAD	485
00485	004850	07 LTH	PICTURE 9(16).		00485LOAD	486
00486	004860	07 LTH	PICTURE 9(16).		00486LOAD	487
00487	004870	07 HTH	PICTURE 9(13).		00487LOAD	488
00488	004880	07 HTH	PICTURE 9(13).		00488LOAD	489
00489	004890	07 CCC	PICTURE 9(13).		00489LOAD	490
00490	004900	07 FILLER	PICTURE X.		00490LOAD	491
00491	004910	01 BUFFER.			00491LOAD	492
00492	004920	05 BUFFER-KEY	PICTURE 9(18).		00492LOAD	493
00493	004930	05 NOMENCLATURE.			00493LOAD	494
00494	004940	07 RANK	PICTURE XXX.		00494LOAD	495
00495	004950	07 NAME	PICTURE X(17).		00495LOAD	496
00496	004960	05 VRN.			00496LOAD	497
00497	004970	07 PR-NO	PICTURE 99.		00497LOAD	498
00498	004980	07 BUMP-NO	PICTURE X(6).		00498LOAD	499
00499	004990	05 SIZE-CODE	PICTURE X.		00499LOAD	500
00500	005000	05 COMMENTS.			00500LOAD	501
00501	005010	07 COMMENTS-C	PICTURE XXXXX.		00501LOAD	502
00502	005020	07 SPEC-HAND	PIC X(9).		00502LOAD	503
00503	005030	05 XCODE	PICTURE 99.		00503LOAD	504
00504	005040	05 SSAN	PICTURE 9(9).		00504LOAD	505
00505	005050	05 WT	PICTURE 9(16).		00505LOAD	506
00506	005060	05 LTH	PICTURE 9(16).		00506LOAD	507
00507	005070	05 MTH	PICTURE 9(13).		00507LOAD	508
00508	005080	05 HTH	PICTURE 9(13).		00508LOAD	509
00509	005090	05 CCC	PICTURE 9(13).		00509LOAD	510
00510	005100	05 BUF-SIZ-CO	PICTURE X.		00510LOAD	511
00511	005110	05 FILLER	PIC X(5).		00511LOAD	512
00512	005120	01 LIMITS-AREA.			00512LOAD	513
00513	005130	05 LIMITS-FILL.			00513LOAD	514

0514	005140	07	LT+H-FILL	PICTURE 9(31)-	00514LOAD	515
0515	005150	07	WT+H-FILL	PICTURE 9(31)-	00515LOAD	516
0516	005160	07	WT+H-FILL	PICTURE 9(31)-	00516LOAD	517
0517	005170	07	PRINT-LTH	PICTURE 9(31)-	00517LOAD	518
0518	005180	07	MIX-FILL	PICTURE 9(31)-	00518LOAD	519
0519	005190	07	WT-FILL	PICTURE 9(31)-	00519LOAD	520
0520	005200	07	PAX-WT	PICTURE 9(31)-	00520LOAD	521
0521	005210	05	LIMITS-C130-		00521LOAD	522
0522	005220	07	LT+H-C130	PICTURE 9(31)-	00522LOAD	523
0523	005230	07	WT+H-C130	PICTURE 9(31)-	00523LOAD	524
0524	005240	07	WT+H-C130	PICTURE 9(31)-	00524LOAD	525
0525	005250	07	PCG-C130	PICTURE 9(31)-	00525LOAD	526
0526	005260	07	MIX-C130	PICTURE 9(31)-	00526LOAD	527
0527	005270	07	WT-C130	PICTURE 9(31)-	00527LOAD	528
0528	005280	07	ACL-C130	PICTURE 9(31)-	00528LOAD	529
0529	005290	05	LIMITS-C141-		00529LOAD	530
0530	005300	07	LT+H-C141	PICTURE 9(31)-	00530LOAD	531
0531	005310	07	WT+H-C141	PICTURE 9(31)-	00531LOAD	532
0532	005320	07	WT+H-C141	PICTURE 9(31)-	00532LOAD	533
0533	005330	07	PCG-C141	PICTURE 9(31)-	00533LOAD	534
0534	005340	07	MIX-C141	PICTURE 9(31)-	00534LOAD	535
0535	005350	07	WT-C141	PICTURE 9(31)-	00535LOAD	536
0536	005360	07	ACL-C141	PICTURE 9(31)-	00536LOAD	537
0537	005370	05	LIMITS-C5-		00537LOAD	538
0538	005380	07	LT+H-C5	PICTURE 9(31)-	00538LOAD	539
0539	005390	07	WT+H-C5	PICTURE 9(31)-	00539LOAD	540
0540	005400	07	WT+H-C5	PICTURE 9(31)-	00540LOAD	541
0541	005410	07	PCG-C5	PICTURE 9(31)-	00541LOAD	542
0542	005420	07	MIX-C5	PICTURE 9(31)-	00542LOAD	543
0543	005430	07	WT-C5	PICTURE 9(31)-	00543LOAD	544
0544	005440	07	ACL-C5	PICTURE 9(31)-	00544LOAD	545
0545	005450	01	LIMITS-REDEFER	REDEFINES LIMITS-AREA.	00545LOAD	546
0546	005460	05	LIMITS-HOLD	OCCURS 4 TIMES.	00546LOAD	547
0547	005470	07	LT+H-HOLD	PICTURE 9(31)-	00547LOAD	548
0548	005480	07	WT+H-HOLD	PICTURE 9(31)-	00548LOAD	549
0549	005490	07	WT+H-HOLD	PICTURE 9(31)-	00549LOAD	550
0550	005500	07	PCG-HOLD	PICTURE 9(31)-	00550LOAD	551
0551	005510	07	MIX-HOLD	PICTURE 9(31)-	00551LOAD	552
0552	005520	07	WT-HOLD	PICTURE 9(31)-	00552LOAD	553
0553	005530	07	ACL-HOLD	PICTURE 9(31)-	00553LOAD	554
0554	005540	01	VRN-TEMP.		00554LOAD	555
0555	005550	05	PR-NO	PICTURE 99-	00555LOAD	556
0556	005560	05	BUMP-NO	PICTURE X(16).	00556LOAD	557
0557	005570	01	SHIFT-LEFT.		00557LOAD	558
0558	005580	05	LEFT-SHIFT	OCCURS 20 TIMES	00558LOAD	559
0559	005590	05	CHAR-GROUP.	PICTURE X.	00559LOAD	560
0560	005600	01	CHAR1	PICTURE X.	00560LOAD	561
0561	005610	05	CHAR2	PICTURE X.	00561LOAD	562
0562	005620	05	NUMB2	REDEFINES CHAR2	00562LOAD	563
0563	005630	05	OUTLINE-AREA.	PICTURE 9.	00563LOAD	564
0564	005640	01	OUTLINE	PICTURE X.	00564LOAD	565
0565	005650	05	FILLER	OCCURS 132 TIMES	00565LOAD	566
0566	005660	05	OUTLINE	PICTURE X.	00566LOAD	567
0567	005670	01	NEW-LINE	REDEFINES OUTLINE-AREA.	00567LOAD	568
0568	005680	05	FILLER	PICTURE X.	00568LOAD	569
0569	005690	01	NEW-LINE	REDEFINES OUTLINE-AREA.	00569LOAD	570
0570	005700	05	FILLER	PICTURE X.	00570LOAD	571

0571	005710	05 L-FWD	PICTURE XXX.	005710AD	572
0572	005720	05 FILLER	PICTURE X1501.	005720AD	573
0573	005730	05 MSG1	PICTURE X1251.	005730AD	574
0574	005740	05 MSG2	PICTURE X1501.	005740AD	575
0575	005750	05 L-AFT	PICTURE XXX.	005750AD	576
0576	005760	05 FILLER	PICTURE X.	005760AD	577
0577	005770	01 NUMERIC-EDIT.		005770AD	578
0578	005780	05 EDIT-FIELD	PICTURE 222.222.	005780AD	579
0579	005790	05 EDIT-CHAR	REDEFINES EDIT-FIELD	005790AD	580
0580	005800	05	PICTURE X	005800AD	581
0581	005810	01 OPTION-DATA.		005810AD	582
0582	005820	05 SET-10-FLAGS.		005820AD	583
0583	005830	07 FLEET	PICTURE X	005830AD	584
0584	005840	07 FLEET	PICTURE X	005840AD	585
0585	005850	07 FPLAN	PICTURE X	005850AD	586
0586	005860	07 FDATE	PICTURE X	005860AD	587
0587	005870	07 FTELE	PICTURE X	005870AD	588
0588	005880	07 FPRIO	PICTURE X	005880AD	589
0589	005890	07 FINTEG	PICTURE X	005890AD	590
0590	005900	07 FGEN	PICTURE X	005900AD	591
0591	005910	07 NO-COPIES	PICTURE 59(4).	005910AD	592
0592	005920	07 LCMNT	PICTURE 59(4).	005920AD	593
0593	005930	05 LIMIT-CODES	PICTURE XXXX	005930AD	594
0594	005940	05 CODE-HOLD	REDEFINES LIMIT-CODES	005940AD	595
0595	005950		OCCURS 4 TIMES	005950AD	596
0596	005960		PICTURE X.	005960AD	597
0597	005970	01 PAS-DATA-HOLD-AREA.		005970AD	598
0598	005980	03 PDH1	REDEFINES PDH1.	005980AD	599
0599	005990	03 PDH1	REDEFINES PDH1.	005990AD	600
0600	006000	05 FILLER	PICTURE X(16).	006000AD	601
0601	006010	05 C-130-PAS	PICTURE 9(13).	006010AD	602
0602	006020	05 C-130-PAS-M	PICTURE 9(13).	006020AD	603
0603	006030	05 C-141-PAS	PICTURE 9(13).	006030AD	604
0604	006040	05 C-141-PAS-M	PICTURE 9(13).	006040AD	605
0605	006050	05 C-5-PAS	PICTURE 9(13).	006050AD	606
0606	006060	05 C-5-PAS-M	PICTURE 9(13).	006060AD	607
0607	006070	05 PAGE-NO-SWAP	PICTURE 9(4).	006070AD	608
0608	006080	05 FILLER	PICTURE X(4).	006080AD	609
0609	006090	01 STATISTICS-AREA.		006090AD	610
0610	006100	05 STATISTICS-REF.		006100AD	611
0611	006110	07 FILLER	PICTURE X(30)	006110AD	612
0612	006120	07 FILLER	PICTURE X(30)	006120AD	613
0613	006130	07 FILLER	PICTURE X(30)	006130AD	614
0614	006140	07 FILLER	PICTURE X(30)	006140AD	615
0615	006150	07 FILLER	PICTURE X(30)	006150AD	616
0616	006160	07 FILLER	PICTURE X(30)	006160AD	617
0617	006170	05 STAT-TITLE	REDEFINES STATISTICS-REF	006170AD	618
0618	006180		OCCURS 3 TIMES	006180AD	619
0619	006190		PICTURE X(30).	006190AD	620
0620	006200	05 STAT-VALUES.		006200AD	621
0621	006210	07 FILLER	PICTURE X(10)	006210AD	622
0622	006220	07 NO-C5	PICTURE 9(7).	006220AD	623
0623	006230	07 C5-LOADED	PICTURE 9(7)	006230AD	624
0624	006240	07 FILLER	PICTURE X(10)	006240AD	625
0625	006250	07 NO-C141	PICTURE 9(7)	006250AD	626
0626	006260	07 C141-LOADED	PICTURE 9(7)	006260AD	627
0627	006270	07 FILLER	PICTURE X(10)	006270AD	628

00628	07	NO-C130	PICTURE 9(7).	0062810AD	629
00629	07	C130-LOADED	PICTURE X(10)	0062910AD	630
00630	07	FILLER	PICTURE X(10)	0063010AD	631
00631	07	AV-AC1-C5	PICTURE 9(7)	0063110AD	632
00632	07	DENSITY-C5	PICTURE 9(7)	0063210AD	633
00633	07	FILLER	PICTURE X(10)	0063310AD	634
00634	07	AV-AC1-C141	PICTURE 9(7)	0063410AD	635
00635	07	DENSITY-C141	PICTURE 9(7)	0063510AD	636
00636	07	FILLER	PICTURE X(10)	0063610AD	637
00637	07	AV-AC1-C130	PICTURE 9(7)	0063710AD	638
00638	07	DENSITY-C130	PICTURE 9(7)	0063810AD	639
00639	07	FILLER	PICTURE X(10)	0063910AD	640
00640	07	EQUIP-MAX	PICTURE 9(7).	0064010AD	641
00641	07	EQUIP-LOADED	PICTURE X(10)	0064110AD	642
00642	07	FILLER	PICTURE 9(7).	0064210AD	643
00643	07	OUT-MAX	PICTURE 9(7).	0064310AD	644
00644	07	OUT-LOADED	PICTURE 9(7)	0064410AD	645
00645	07	FILLER	PICTURE X(10)	0064510AD	646
00646	07	PASS-MAX	PICTURE 9(7).	0064610AD	647
00647	07	PASS-LOADED	PICTURE X(10)	0064710AD	648
00648	05	STATS	REDEFINES STAT-VALUES	0064810AD	649
00649	05	STATS	REDEFINES STAT-VALUES	0064910AD	650
00650	07	STAT-SUB1	PICTURE X(10).	0065010AD	651
00651	07	STAT-SUB2	PICTURE 9(7).	0065110AD	652
00652	07	STAT-SUB3	PICTURE 9(7).	0065210AD	653
00653	01	CHECK-MESSAGE.	PICTURE 9(7).	0065310AD	654
00654	05	FILLER	PICTURE X(30)	0065410AD	655
00655	05	FILLER	PICTURE X(10)	0065510AD	656
00656	05	CHECK-NOTE.	PICTURE X(10)	0065610AD	657
00657	07	REFERENCE	PICTURE X(10).	0065710AD	658
00658	07	FILLER	PICTURE XX.	0065810AD	659
00659	07	AVAIL	PICTURE 222-229.	0065910AD	660
00660	07	FILLER	PICTURE XXX.	0066010AD	661
00661	07	LOADED	PICTURE 222-229.	0066110AD	662
00662	07	FILLER	PICTURE XX.	0066210AD	663
00663	05	FILLER	PICTURE X(10)	0066310AD	664
00664	01	LIST-AREA.	PICTURE X(10)	0066410AD	665
00665	05	FILLER	PICTURE XXX	0066510AD	666
00666	05	SEQUENCE	PICTURE 22222.	0066610AD	667
00667	05	FILLER	PICTURE XXX	0066710AD	668
00668	05	CARGO-LIST.	PICTURE XXX	0066810AD	669
00669	07	UID	PICTURE X(7).	0066910AD	670
00670	07	NOMENCLATURE	PICTURE X(20).	0067010AD	671
00671	07	SSAN	PICTURE 9(9).	0067110AD	672
00672	07	VRN.	PICTURE 9(9).	0067210AD	673
00673	07	BUMP-NU	PICTURE X(6).	0067310AD	674
00674	07	XCIDE	PICTURE XX.	0067410AD	675
00675	07	LTN	PICTURE 999.	0067510AD	676
00676	07	MTH	PICTURE 999.	0067610AD	677
00677	07	MTH	PICTURE 999.	0067710AD	678
00678	07	WT	PICTURE 999.	0067810AD	679
00679	07	WT	PICTURE 999.	0067910AD	680
00680	07	CGC	PICTURE 999.	0068010AD	681
00681	07	PRIORITY	PICTURE 999.	0068110AD	682
00682	07	COMMENTS	PICTURE X(15).	0068210AD	683
00683	05	AIRCRAFT-LIST	REDEFINES CARGO-LIST.	0068310AD	684
00684	05	AIRCRAFT-LIST	REDEFINES CARGO-LIST.	0068410AD	685



00685	006850	07	CARRIER	PICTURE XXX.	00685LOAD	686
00686	006860	07	AC-MUD	PICTURE XXXXX.	00686LOAD	687
00687	006870	07	AC-MD	PICTURE X171.	00687LOAD	688
00688	006880	07	MISSION	PICTURE X1121.	00688LOAD	689
00689	006890	07	DEP-AFLD	PICTURE XXXX.	00689LOAD	690
00690	006900	07	AKV-AFLD	PICTURE XXXX.	00690LOAD	691
00691	006910	07	ALN-WT	PICTURE X161.	00691LOAD	692
00692	006920	07	PASS-LMT-L	PICTURE XXX.	00692LOAD	693
00693	006930	07	FILLER	PICTURE X1361.	00693LOAD	694
00694	006940	01	GETIME.		00694LOAD	695
00695	006950	05	HH	PICTURE 99.	00695LOAD	696
00696	006960	05	MM	PICTURE 99.	00696LOAD	697
00697	006970	05	SS	PICTURE 99.	00697LOAD	698
00698	006980	05	FILLER	PICTURE 99.	00698LOAD	699
00699	006990	01	HEAD-OF-FORM.		00699LOAD	700
00700	007000	05	FILLER	PICTURE X1051	00700LOAD	701
00701	007010		PICTURE X1051	U.S. ARMY LOGISTICS C	00701LOAD	702
00702	007020		PICTURE X1051	ENTER, FORT LEE, VIRGINIA	00702LOAD	703
00703	007030	05	FILLER	PICTURE X1101	00703LOAD	704
00704	007040	05	DATE-AREA.	PICTURE XX.	00704LOAD	705
00705	007050	07	DC-CHAR2	PICTURE X.	00705LOAD	706
00706	007060	07	DC-SL1	PICTURE X.	00706LOAD	707
00707	007070	07	DC-CHAR5	PICTURE XX.	00707LOAD	708
00708	007080	07	DC-SL2	PICTURE X.	00708LOAD	709
00709	007090	07	DC-CHAR8	PICTURE XX.	00709LOAD	710
00710	007100	05	FILLER	PICTURE X171	00710LOAD	711
00711	007110	05	TIME-AREA.	PICTURE XX.	00711LOAD	712
00712	007120	07	HH	PICTURE X.	00712LOAD	713
00713	007130	07	FILLER	PICTURE X.	00713LOAD	714
00714	007140	07	MM	PICTURE XX.	00714LOAD	715
00715	007150	07	FILLER	PICTURE X.	00715LOAD	716
00716	007160	07	SS	PICTURE XX.	00716LOAD	717
00717	007170	05	FILLER	PICTURE X151	00717LOAD	718
00718	007180	05	FILLER	PICTURE X151	00718LOAD	719
00719	007190	05	FORM-NUMBER	PICTURE Z,ZZZ.	00719LOAD	720
00720	007200	01	USER-TITLE.		00720LOAD	721
00721	007210	05	FILLER	PICTURE X1151	00721LOAD	722
00722	007220	05	FILLER	PICTURE X1151	00722LOAD	723
00723	007230	05	T1-29	PIC X1291.	00723LOAD	724
00724	007240	05	T30-58	PIC X1291.	00724LOAD	725
00725	007250	05	T59-72	PIC X1141.	00725LOAD	726
00726	007260	05	FILLER	PICTURE X1151	00726LOAD	727
00727	007270	05	FILLER	PICTURE X1151	00727LOAD	728
00728	007280	01	CARGO-MANIFEST.		00728LOAD	729
00729	007290	05	LINE1.		00729LOAD	730
00730	007300	07	FILLER	PICTURE X1601	00730LOAD	731
00731	007310		PICTURE X1601	MISSION NUMBER.	00731LOAD	732
00732	007320	07	FILLER	PICTURE X1731	00732LOAD	733
00733	007330		PICTURE X1731	ALM WTEALM ARE	00733LOAD	734
00734	007340	05	LINE2.		00734LOAD	735
00735	007350	07	FILLER	PICTURE X1601	00735LOAD	736
00736	007360		PICTURE X1601	CARRIER PAGE TO.	00736LOAD	737
00737	007370	07	FILLER	PICTURE X1731	00737LOAD	738
00738	007380		PICTURE X1731		00738LOAD	739
00739	007390	05	LINE3.		00739LOAD	740
00740	007400	07	FILLER	PICTURE X1731	00740LOAD	741
00741	007410		PICTURE X1731		00741LOAD	742

007420	07 FILLER	PICTURE XXX	VALUE = **.	00742LOAD	743
007430	07 AC-ND	PICTURE X(71).	VALUE = **.	00743LOAD	744
007440	07 FILLER	PICTURE XXX	VALUE = **.	00744LOAD	745
007450	07 AC-MOD	PICTURE XXXXX.	VALUE = **.	00745LOAD	746
007460	07 FILLER	PICTURE X(6)	VALUE = **.	00746LOAD	747
007470	07 ANV-AFLD	PICTURE XXXX.	VALUE = **.	00747LOAD	748
007480	07 FILLER	PICTURE X(8)	VALUE = **.	00748LOAD	749
007490	07 MISSION	PICTURE X(12).	VALUE = **.	00749LOAD	750
007500	07 FILLER	PICTURE X(6)	VALUE = **.	00750LOAD	751
007510	07 ALW-WT	PICTURE ZZZ.ZZ9.	VALUE = **.	00751LOAD	752
007520	07 FILLER	PICTURE XXXX	VALUE = **.	00752LOAD	753
007530	07 ALW-CU	PICTURE ZZZ.ZZ9.	VALUE = **.	00753LOAD	754
007540	07 FILLER	PICTURE X(7)	VALUE = **.	00754LOAD	755
007550	07 DEP-AFLD	PICTURE XXXX.	VALUE = **.	00755LOAD	756
007560	07 FILLER	PICTURE X(14)	VALUE = **.	00756LOAD	757
007570	07 CHALK-ND	PICTURE ZZZ9.	VALUE = **.	00757LOAD	758
007580	07 FILLER	PICTURE X(13)	VALUE = **.	00758LOAD	759
007590	07 PAGE-NB	PICTURE ZZ9.	VALUE = **.	00759LOAD	760
007600	07 FILLER	PICTURE X(6)	VALUE = **.	00760LOAD	761
007610	05 LINE4.	PICTURE XXX	VALUE SPACES.	00761LOAD	762
007620	07 FILLER	PICTURE X(51).	VALUE SPACES.	00762LOAD	763
007630	07 AC-MOD	PICTURE X(70)	VALUE = AIRCRAFT LOAD PLAN D	00763LOAD	764
007640	07 FILLER	PICTURE X(10)	VALUE = ALL CARGO LOADED FACING **.	00764LOAD	765
007650	07 FACING	PICTURE XXX.	VALUE = **.	00765LOAD	766
007660	07 FILLER	PICTURE X(16)	VALUE = **.	00766LOAD	767
007670	07 FACING-EXCEPTION	PICTURE X(126)	VALUE SPACES.	00767LOAD	768
007680	05 LINE5.	PICTURE XXX	VALUE SPACES.	00768LOAD	769
007690	07 FILLER	PICTURE X(127)	VALUE	00769LOAD	770
007700	07 FILLER	PICTURE X(127)	VALUE	00770LOAD	771
007710	07 FILLER	PICTURE X(127)	VALUE	00771LOAD	772
007720	07 FILLER	PICTURE X(127)	VALUE	00772LOAD	773
007730	07 FILLER	PICTURE X(127)	VALUE	00773LOAD	774
007740	07 FILLER	PICTURE X(127)	VALUE	00774LOAD	775
007750	07 FILLER	PICTURE X(127)	VALUE	00775LOAD	776
007760	05 LINE6.	PICTURE X(127)	VALUE	00776LOAD	777
007770	07 FILLER	PICTURE X(127)	VALUE	00777LOAD	778
007780	07 FILLER	PICTURE X(127)	VALUE	00778LOAD	779
007790	07 FILLER	PICTURE X(127)	VALUE	00779LOAD	780
007800	07 FILLER	PICTURE X(127)	VALUE	00780LOAD	781
007810	07 FILLER	PICTURE X(127)	VALUE	00781LOAD	782
007820	07 FILLER	PICTURE X(127)	VALUE	00782LOAD	783
007830	05 LINE7.	PICTURE X(127)	VALUE	00783LOAD	784
007840	07 FILLER	PICTURE X(127)	VALUE	00784LOAD	785
007850	07 FILLER	PICTURE X(127)	VALUE	00785LOAD	786
007860	07 FILLER	PICTURE X(127)	VALUE	00786LOAD	787
007870	07 FILLER	PICTURE X(127)	VALUE	00787LOAD	788
007880	07 FILLER	PICTURE X(127)	VALUE	00788LOAD	789
007890	07 FILLER	PICTURE X(127)	VALUE	00789LOAD	790
007900	07 FILLER	PICTURE X(127)	VALUE	00790LOAD	791
007910	07 FILLER	PICTURE X(127)	VALUE	00791LOAD	792
007920	05 LINE9.	PICTURE X(127)	VALUE	00792LOAD	793
007930	07 FILLER	PICTURE X(127)	VALUE	00793LOAD	794
007940	07 FILLER	PICTURE X(127)	VALUE	00794LOAD	795
007950	05 LINE10.	PICTURE X(127)	VALUE	00795LOAD	796
007960	07 FILLER	PICTURE X(127)	VALUE	00796LOAD	797
007970	07 FILLER	PICTURE X(127)	VALUE	00797LOAD	798
007980	05 LINE11.	PICTURE X(127)	VALUE	00798LOAD	799

00799	007990	07 FILLER	PICTURE X157) VALUE	00799LOAD	800
0800	080000	07 FILLER	PICTURE X156) VALUE	0800LOAD	801
0801	080100	07 FILLER	PICTURE X156) VALUE	0801LOAD	802
0802	080200	07 FILLER	PICTURE X156) VALUE	0802LOAD	803
0803	080300	07 FILLER	PICTURE X16) VALUE	0803LOAD	804
0804	080400	07 FILLER	PICTURE X16) VALUE	0804LOAD	805
0805	080500	07 FILLER	PICTURE X16) VALUE	0805LOAD	806
0806	080600	07 FILLER	PICTURE X156) VALUE	0806LOAD	807
0807	080700	07 FILLER	PICTURE X156) VALUE	0807LOAD	808
0808	080800	07 FILLER	PICTURE X156) VALUE	0808LOAD	809
0809	080900	07 FILLER	PICTURE X156) VALUE	0809LOAD	810
0810	081000	07 FILLER	PICTURE X16) VALUE	0810LOAD	811
0811	081100	07 FILLER	PICTURE X16) VALUE	0811LOAD	812
0812	081200	07 FILLER	PICTURE X16) VALUE	0812LOAD	813
0813	081300	07 FILLER	PICTURE X16) VALUE	0813LOAD	814
0814	081400	07 FILLER	PICTURE X16) VALUE	0814LOAD	815
0815	081500	07 FILLER	PICTURE X16) VALUE	0815LOAD	816
0816	081600	07 FILLER	PICTURE X16) VALUE	0816LOAD	817
0817	081700	07 FILLER	PICTURE X16) VALUE	0817LOAD	818
0818	081800	07 FILLER	PICTURE X16) VALUE	0818LOAD	819
0819	081900	07 FILLER	PICTURE X16) VALUE	0819LOAD	820
0820	082000	07 FILLER	PICTURE X16) VALUE	0820LOAD	821
0821	082100	07 FILLER	PICTURE X16) VALUE	0821LOAD	822
0822	082200	07 FILLER	PICTURE X16) VALUE	0822LOAD	823
0823	082300	07 FILLER	PICTURE X16) VALUE	0823LOAD	824
0824	082400	07 FILLER	PICTURE X16) VALUE	0824LOAD	825
0825	082500	07 FILLER	PICTURE X16) VALUE	0825LOAD	826
0826	082600	07 FILLER	PICTURE X16) VALUE	0826LOAD	827
0827	082700	07 FILLER	PICTURE X16) VALUE	0827LOAD	828
0828	082800	07 FILLER	PICTURE X16) VALUE	0828LOAD	829
0829	082900	07 FILLER	PICTURE X16) VALUE	0829LOAD	830
0830	083000	07 FILLER	PICTURE X16) VALUE	0830LOAD	831
0831	083100	07 FILLER	PICTURE X16) VALUE	0831LOAD	832
0832	083200	07 FILLER	PICTURE X16) VALUE	0832LOAD	833
0833	083300	07 FILLER	PICTURE X16) VALUE	0833LOAD	834
0834	083400	07 FILLER	PICTURE X16) VALUE	0834LOAD	835
0835	083500	07 FILLER	PICTURE X16) VALUE	0835LOAD	836
0836	083600	07 FILLER	PICTURE X16) VALUE	0836LOAD	837
0837	083700	07 FILLER	PICTURE X16) VALUE	0837LOAD	838
0838	083800	07 FILLER	PICTURE X16) VALUE	0838LOAD	839
0839	083900	07 FILLER	PICTURE X16) VALUE	0839LOAD	840
0840	084000	07 FILLER	PICTURE X16) VALUE	0840LOAD	841
0841	084100	07 FILLER	PICTURE X16) VALUE	0841LOAD	842
0842	084200	07 FILLER	PICTURE X16) VALUE	0842LOAD	843
0843	084300	07 FILLER	PICTURE X16) VALUE	0843LOAD	844
0844	084400	07 FILLER	PICTURE X16) VALUE	0844LOAD	845
0845	084500	07 FILLER	PICTURE X16) VALUE	0845LOAD	846
0846	084600	07 FILLER	PICTURE X16) VALUE	0846LOAD	847
0847	084700	07 FILLER	PICTURE X16) VALUE	0847LOAD	848
0848	084800	07 FILLER	PICTURE X16) VALUE	0848LOAD	849
0849	084900	07 FILLER	PICTURE X16) VALUE	0849LOAD	850
0850	085000	07 FILLER	PICTURE X16) VALUE	0850LOAD	851
0851	085100	07 FILLER	PICTURE X16) VALUE	0851LOAD	852
0852	085200	07 FILLER	PICTURE X16) VALUE	0852LOAD	853
0853	085300	07 FILLER	PICTURE X16) VALUE	0853LOAD	854
0854	085400	07 FILLER	PICTURE X16) VALUE	0854LOAD	855
0855	085500	07 FILLER	PICTURE X16) VALUE	0855LOAD	856

00856	008560	09 FILLER	PIC X	VALUE	00156LOAD	857
00857	008570	09 FS-SR	PIC X	VALUE	00857LOAD	858
00858	008580	09 FILLER	PIC X	VALUE	00858LOAD	859
00859	008590	09 FS-PF	PIC X	VALUE	00859LOAD	860
00860	008600	09 FILLER	PIC X	VALUE	00860LOAD	861
00861	008610	09 FS-SH	PIC X	VALUE	00861LOAD	862
00862	008620	09 FILLER	PIC X	VALUE	00862LOAD	863
00863	008630	01 MANIFEST-PASS.			00863LOAD	864
00864	008640	05 RUM1.			00864LOAD	865
00865	008650	07 FILLER	PICTURE X(35)	VALUE = P A S S E N G E R M	00865LOAD	866
00866	008660	" A N I F E S T."			00866LOAD	867
00867	008670	05 RUM5.			00867LOAD	868
00868	008680	07 FILLER	PICTURE X(43)	VALUE	00868LOAD	869
00869	008690	" LINE# RANK NAME			00869LOAD	870
00870	008700	07 FILLER	PICTURE XXXXX	VALUE	00870LOAD	871
00871	008710	" SSAN"			00871LOAD	872
00872	008720	07 FILLER	PICTURE X(35)	VALUE	00872LOAD	873
00873	008730	" WEIGHT UNIT BUMP#"			00873LOAD	874
00874	008740	05 RUM6-N.			00874LOAD	875
00875	008750	07 LINE-NO	PICTURE ZZZZ.		00875LOAD	876
00876	008760	07 FILLER	PICTURE X(5)	VALUE SPACES.	00876LOAD	877
00877	008770	07 RANK	PICTURE XXX.		00877LOAD	878
00878	008780	07 FILLER	PICTURE XX	VALUE SPACES.	00878LOAD	879
00879	008790	07 NAME	PICTURE X(17).		00879LOAD	880
00880	008800	07 NAME-C	PICTURE XXXXX.		00880LOAD	881
00881	008810	07 FILLER	PICTURE XXXX	VALUE SPACES.	00881LOAD	882
00882	008820	07 SSAN	PICTURE ZZZBZZZZ.		00882LOAD	883
00883	008830	07 FILLER	PICTURE XXXX	VALUE SPACES.	00883LOAD	884
00884	008840	07 WEIGHT	PICTURE ZZZZ.		00884LOAD	885
00885	008850	07 FILLER	PICTURE X(5)	VALUE SPACES.	00885LOAD	886
00886	008860	07 UID	PICTURE X(7).		00886LOAD	887
00887	008870	07 FILLER	PICTURE X(5)	VALUE SPACES.	00887LOAD	888
00888	008880	07 BUMP-NO	PICTURE X(6).		00888LOAD	889
00889	008890	07 FILLER	PICTURE X(5)	VALUE SPACES.	00889LOAD	890
00890	008900	07 COMMENTS	PICTURE X(15).		00890LOAD	891
00891	008910	01 PROB-L1.			00891LOAD	892
00892	008920	05 FILLER	PICTURE X(38)	VALUE SPACES.	00892LOAD	893
00893	008930	05 FILLER	PICTURE X(55)	VALUE	00893LOAD	894
00894	008940	" EXCEEDS THE NUMBER OF SEATS OR ACFT			00894LOAD	895
00895	008950	05 FILLER	PICTURE X(39)	VALUE SPACES.	00895LOAD	896
00896	008960	01 PROB-L2.			00896LOAD	897
00897	008970	05 FILLER	PICTURE X(10)	VALUE	00897LOAD	898
00898	008980	05 FILLER	PICTURE X(35)	VALUE	00898LOAD	899
00899	008990	05 PROB-PHASE	PICTURE X(35)	VALUE SPACES.	00899LOAD	900
00900	009000	05 FILLER	PICTURE X(10)	VALUE	00900LOAD	901
00901	009010	05 FILLER	PICTURE X(39)	VALUE SPACES.	00901LOAD	902
00902	009020	01 PROB-P1			00902LOAD	903
00903	009030	" THE NUMBER OF REQUIRED PASSENGERS			00903LOAD	904
00904	009040	01 PROB-P2	PICTURE X(35)	VALUE	00904LOAD	905
00905	009050	" EXCEEDS THE NUMBER OF SEATS OR ACFT			00905LOAD	906
00906	009060	01 PROB-P3	PICTURE X(35)	VALUE	00906LOAD	907
00907	009070	" AVAILABLE OR AIRCRAFT BALANCE.			00907LOAD	908
00908	009080	01 PROB-P4.			00908LOAD	909
00909	009090	05 PAX-FLO	PICTURE Z29	VALUE ZEROS.	00909LOAD	910
00910	009100	05 FILLER	PICTURE X(32)	VALUE	00910LOAD	911
00911	009110	" REQUIRED PASSENGERS LISTED IN			00911LOAD	912
00912	009120	01 PROB-P5	PICTURE X(35)	VALUE	00912LOAD	913



0913	09130	"LATER CHALKS UR IN -NOT LWADED-- "	00913LOAD	914
0914	09140 01	F-RMK-LINE.	00914LOAD	915
0915	09150	C5 FILLER	00915LOAD	916
0916	09160	C5 FILLER	00916LOAD	917
0917	09170	"HELI-PACKAGE REMARKS ***	00917LOAD	918
0918	09180	C5 FILLER	00918LOAD	919
0919	09190	" HELICOPTERS FACING AS SHOWN IN APPENDIX 1, AMPS USER "	00919LOAD	920
0920	09200	C5 FILLER	00920LOAD	921
0921	09210	"MANUAL ** "	00921LOAD	922
0922	09220	C5 H-RMK-FLD	00922LOAD	923
0923	09230 01	FACING-EXCP	00923LOAD	924
0924	09240	"EXCEPT AS NOTED IN REMARKS"	00924LOAD	925
0925	09250 01	SET-DIMENSIONS-AC.	00925LOAD	926
0926	09260	C5 AC-WTH	00926LOAD	927
0927	09270	C5 AC-LTH	00927LOAD	928
0928	09280	C5 AC-MTH	00928LOAD	929
0929	09290	C5 PLANNING-CG	00929LOAD	930
0930	09300	C5 DESIRED-CG	00930LOAD	931
0931	09310	C5 FST-LDBL-STA	00931LOAD	932
0932	09320	C5 LST-LDBL-STA	00932LOAD	933
0933	09330	C5 AFT-RAMP-HINGE	00933LOAD	934
0934	09340	C5 FWD-RAMP-HINGE	00934LOAD	935
0935	09350	C5 PALET-CG	00935LOAD	936
0936	09360	C5 TOLER	00936LOAD	937
0937	09370	C5 FWD-RAMP	00937LOAD	938
0938	09380	C5 CENTER-WT	00938LOAD	939
0939	09390	C5 MAX-PALLETS	00939LOAD	940
0940	09400	C5 VAR-HEIGHTS	00940LOAD	941
0941	09410	C5 LOFT	00941LOAD	942
0942	09420	C5 NO-RAILS	00942LOAD	943
0943	09430	C5 RAIL-Y-LOC	00943LOAD	944
0944	09440	C5 X-AXIS	00944LOAD	945
0945	09450	C5 Y-AXIS	00945LOAD	946
0946	09460	C5 TIE-X	00946LOAD	947
0947	09470	C5 TIE-Y	00947LOAD	948
0948	09480	C5 INCT-X	00948LOAD	949
0949	09490	C5 INCT-Y	00949LOAD	950
0950	09500	C5 SHIFT-X	00950LOAD	951
0951	09510	C5 SHIFT-Y	00951LOAD	952
0952	09520	C5 NO-ITER	00952LOAD	953
0953	09530	C5 ITEMS	00953LOAD	954
0954	09540	C5 ITEMS	00954LOAD	955
0955	09550	C5 ITEMS	00955LOAD	956
0956	09560	C5 ITEMS	00956LOAD	957
0957	09570 01	SET-CS.	00957LOAD	958
0958	09580	C5 FILLER	00958LOAD	959
0959	09590	C5 FILLER	00959LOAD	960
0960	09600	C5 FILLER	00960LOAD	961
0961	09610	C5 FILLER	00961LOAD	962
0962	09620	C5 FILLER	00962LOAD	963
0963	09630	C5 FILLER	00963LOAD	964
0964	09640	C5 FILLER	00964LOAD	965
0965	09650	C5 FILLER	00965LOAD	966
0966	09660	C5 FILLER	00966LOAD	967
0967	09670	C5 FILLER	00967LOAD	968
0968	09680	C5 FILLER	00968LOAD	969
0969	09690	C5 FILLER	00969LOAD	970

009700	009700	05 FILLER	PICTURE 5916) VALUE 5000.	009700	009700
009710	009710	05 FILLER	PICTURE 5914) VALUE 28.	009710	009710
009720	009720	05 FILLER	PICTURE 5914) VALUE 1.	009720	009720
009730	009730	05 FILLER	PICTURE 5914) VALUE 0.	009730	009730
009740	009740	05 FILLER	PICTURE 5914) VALUE 2.	009740	009740
009750	009750	05 FILLER	PICTURE 5914) VALUE 58.	009750	009750
009760	009760	05 FILLER	PICTURE 5914) VALUE 170.	009760	009760
009770	009770	05 FILLER	PICTURE 5914) VALUE 0.	009770	009770
009780	009780	05 FILLER	PICTURE 5914) VALUE 4.	009780	009780
009790	009790	05 FILLER	PICTURE 5914) VALUE 2.	009790	009790
009800	009800	05 FILLER	PICTURE 5914) VALUE 6.	009800	009800
009810	009810	05 FILLER	PICTURE 5914) VALUE 6.	009810	009810
009820	009820	05 FILLER	PICTURE 5914) VALUE 40.	009820	009820
009830	009830	05 FILLER	PICTURE 5914) VALUE 20.	009830	009830
009840	009840	05 FILLER	PICTURE 5914) VALUE 0.	009840	009840
009850	009850	05 FILLER	PICTURE 5914) VALUE 0.	009850	009850
009860	009860	05 FILLER	PICTURE 5914) VALUE 0.	009860	009860
009870	009870	05 FILLER	PICTURE 599 VALUE 12.	009870	009870
009880	009880	05 FILLER	PICTURE 599 VALUE 14.	009880	009880
009890	009890	05 FILLER	PICTURE 599 VALUE 0.	009890	009890
009900	009900	05 FILLER	PICTURE 599 VALUE 12.	009900	009900
009910	009910	01 SET-C141.		009910	009910
009920	009920	05 FILLER	PICTURE 5914) VALUE 0.	009920	009920
009930	009930	05 FILLER	PICTURE 5914) VALUE 920.	009930	009930
009940	009940	05 FILLER	PICTURE 5914) VALUE 0.	009940	009940
009950	009950	05 FILLER	PICTURE 5914) VALUE 0.	009950	009950
009960	009960	05 FILLER	PICTURE 5914) VALUE 0.	009960	009960
009970	009970	05 FILLER	PICTURE 5914) VALUE 452.	009970	009970
009980	009980	05 FILLER	PICTURE 5914) VALUE 1420.	009980	009980
009990	009990	05 FILLER	PICTURE 5914) VALUE 1292.	009990	009990
010000	010000	05 FILLER	PIC 5914) VALUE 538.	010000	010000
010010	010010	05 FILLER	PICTURE 5914) VALUE 360.	010010	010010
010020	010020	05 FILLER	PICTURE 5914) VALUE 25.	010020	010020
010030	010030	05 FILLER	PICTURE 5914) VALUE 0.	010030	010030
010040	010040	05 FILLER	PICTURE 5916) VALUE 4600.	010040	010040
010050	010050	05 FILLER	PICTURE 5914) VALUE 8.	010050	010050
010060	010060	05 FILLER	PICTURE 5914) VALUE 0.	010060	010060
010070	010070	05 FILLER	PICTURE 5914) VALUE 1.	010070	010070
010080	010080	05 FILLER	PICTURE 5914) VALUE 1.	010080	010080
010090	010090	05 FILLER	PICTURE 5914) VALUE 61.	010090	010090
010100	010100	05 FILLER	PICTURE 5914) VALUE 0.	010100	010100
010110	010110	05 FILLER	PICTURE 5914) VALUE 0.	010110	010110
010120	010120	05 FILLER	PICTURE 5914) VALUE 4.	010120	010120
010130	010130	05 FILLER	PICTURE 5914) VALUE 2.	010130	010130
010140	010140	05 FILLER	PICTURE 5914) VALUE 6.	010140	010140
010150	010150	05 FILLER	PICTURE 5914) VALUE 6.	010150	010150
010160	010160	05 FILLER	PICTURE 5914) VALUE 40.	010160	010160
010170	010170	05 FILLER	PICTURE 5914) VALUE 20.	010170	010170
010180	010180	05 FILLER	PICTURE 5914) VALUE 0.	010180	010180
010190	010190	05 FILLER	PICTURE 5914) VALUE 0.	010190	010190
010200	010200	05 FILLER	PICTURE 5914) VALUE 0.	010200	010200
010210	010210	05 FILLER	PICTURE 599 VALUE 0.	010210	010210
010220	010220	05 FILLER	PICTURE 599 VALUE 12.	010220	010220
010230	010230	05 FILLER	PICTURE 599 VALUE 12.	010230	010230
010240	010240	05 FILLER	PICTURE 599 VALUE 14.	010240	010240
010250	010250	01 SET-C130.		010250	010250
010260	010260	05 FILLER	PICTURE 5914) VALUE 0.	010260	010260

01 27	010270	05 FILLER	PICTURE 59141 VALUE 600.	010270AD	1028
01 28	010280	05 FILLER	PICTURE 59141 VALUE 0.	010280AD	1029
01 29	010290	05 FILLER	PICTURE 59141 VALUE 0.	010290AD	1030
01 30	010300	05 FILLER	PICTURE 59141 VALUE 0.	010300AD	1031
01 31	010310	05 FILLER	PICTURE 59141 VALUE 250.	010310AD	1032
01 32	010320	05 FILLER	PICTURE 59141 VALUE 857.	010320AD	1033
01 33	010330	05 FILLER	PICTURE 59141 VALUE 737.	010330AD	1034
01 34	010340	05 FILLER	PICTURE 59141 VALUE 250.	010340AD	1035
01 35	010350	05 FILLER	PICTURE 59141 VALUE 180.	010350AD	1036
01 36	010360	05 FILLER	PICTURE 59141 VALUE 25.	010360AD	1037
01 37	010370	05 FILLER	PICTURE 59141 VALUE 0.	010370AD	1038
01 38	010380	05 FILLER	PICTURE 59161 VALUE 4600.	010380AD	1039
01 39	010390	05 FILLER	PICTURE 59141 VALUE 4.	010390AD	1040
01 40	010400	05 FILLER	PICTURE 59141 VALUE 0.	010400AD	1041
01 41	010410	05 FILLER	PICTURE 59141 VALUE 0.	010410AD	1042
01 42	010420	05 FILLER	PICTURE 59141 VALUE 1.	010420AD	1043
01 43	010430	05 FILLER	PICTURE 59141 VALUE 61.	010430AD	1044
01 44	010440	05 FILLER	PICTURE 59141 VALUE 0.	010440AD	1045
01 45	010450	05 FILLER	PICTURE 59141 VALUE 0.	010450AD	1046
01 46	010460	05 FILLER	PICTURE 59141 VALUE 4.	010460AD	1047
01 47	010470	05 FILLER	PICTURE 59141 VALUE 2.	010470AD	1048
01 48	010480	05 FILLER	PICTURE 59141 VALUE 6.	010480AD	1049
01 49	010490	05 FILLER	PICTURE 59141 VALUE 6.	010490AD	1050
01 50	010500	05 FILLER	PICTURE 59141 VALUE 40.	010500AD	1051
01 51	010510	05 FILLER	PICTURE 59141 VALUE 20.	010510AD	1052
01 52	010520	05 FILLER	PICTURE 59141 VALUE 0.	010520AD	1053
01 53	010530	05 FILLER	PICTURE 59141 VALUE 0.	010530AD	1054
01 54	010540	05 FILLER	PICTURE 59141 VALUE 0.	010540AD	1055
01 55	010550	05 FILLER	PICTURE 599 VALUE 0.	010550AD	1056
01 56	010560	05 FILLER	PICTURE 599 VALUE 0.	010560AD	1057
01 57	010570	05 FILLER	PICTURE 599 VALUE 20.	010570AD	1058
01 58	010580	05 FILLER	PICTURE 599 VALUE 18.	010580AD	1059





01116	011160	MOVE 1 TO PR-ND IN MASTER-RECORD.	011160	1117	0117
01117	011170	READ PARM-FILE AT END GO TO END-PARM-INIT.	011170	1118	
01118	011180	MOVE P-AREA-C5 TO PASS-MAX.	011180	1119	0047
01119	011190	THE NEXT 3 READS SET UP TITLE	011190	1120	0069 0646
01120	011200		011200	1121	
01121	011210		011210	1122	
01122	011220	READ PARM-FILE AT END GO TO END-PARM-INIT.	011220	1123	0047
01123	011230	MOVE LIM-ITS TO T1-29.	011230	1124	0054 0723
01124	011240	READ PARM-FILE AT END GO TO END-PARM-INIT.	011240	1125	0047
01125	011250	MOVE LIM-ITS TO T30-58.	011250	1126	0054 0724
01126	011260	READ PARM-FILE AT END GO TO END-PARM-INIT.	011260	1127	0047
01127	011270	MOVE LIM-ITS TO T59-72.	011270	1128	0054 0725
01128	011280	MOVE 0 TO I J.	011280	1129	0240 0241
01129	011290		011290	1130	
01130	011300		011300	1131	
01131	011310	GET IO-FLAGS	011310	1132	
01132	011320		011320	1133	
01133	011330	READ PARM-FILE AT END GO TO END-PARM-INIT.	011330	1134	0047
01134	011340	MOVE POOP TO SET-IO-FLAGS.	011340	1135	0063 0582
01135	011350	MOVE PND-C5 TO NO-C5.	011350	1136	0064 0622
01136	011360	MOVE PND-C141 TO NO-C141.	011360	1137	0065 0625
01137	011370	MOVE PND-C130 TO NO-C130.	011370	1138	0066 0628
01138	011380	MOVE FIRST-KEY TO NEW-START-KEY.	011380	1139	0067 0251
01139	011390	MOVE FIRST-KEY TO START-KEY BEGIN-KEY.	011390	1140	0067 0254 0233
01140	011400	MOVE FIRST-KEY TO AC-RS-KEY.	011400	1141	0067 0255
01141	011410		011410	1142	
01142	011420	5 TH READ	011420	1143	
01143	011430		011430	1144	
01144	011440	READ PARM-FILE AT END GO TO END-PARM-INIT.	011440	1145	0047
01145	011450	MOVE P-AREA-C5 TO AREA-C5.	011450	1146	0069 0224
01146	011460	MOVE P-AREA-C141 TO AREA-C141.	011460	1147	0070 0225
01147	011470	MOVE P-AREA-C130 TO AREA-C130.	011470	1148	0071 0226
01148	011480	MOVE P-EQUIP-MAX TO EQUIP-MAX.	011480	1149	0072 0640
01149	011490	MOVE P-OUT-MAX TO OUT-MAX.	011490	1150	0073 0643
01150	011500	INITIAL-PARMS.	011500	1151	
01151	011510		011510	1152	
01152	011520	THIS LOOP READS REMAINING PARAMETERS	011520	1153	
01153	011530		011530	1154	
01154	011540	THE FIRST 4 READS CONTROLLED BY I GETS LIMITS	011540	1155	
01155	011550	THE NEXT J READS GETS PRIORITY INFORMATION	011550	1156	
01156	011560		011560	1157	
01157	011570		011570	1158	
01158	011580	READ PARM-FILE AT END GO TO END-PARM-INIT.	011580	1159	0047
01159	011590	ADD 1 TO I.	011590	1160	0240
01160	011600	IF I GREATER THAN 4 GO TO CONT-1.	011600	1161	0240
01161	011610		011610	1162	
01162	011620	MOVE LIM-ITS TO LIMITS-HOLD (I).	011620	1163	0054 0546 0240
01163	011630	GO TO INITIAL-PARMS.	011630	1164	
01164	011640		011640	1165	
01165	011650	CONT-1.	011650	1166	
01166	011660	ADD 1 TO J.	011660	1167	0241
01167	011670	MOVE INIT-UD TO UD IN PRIORITY-FILE (J).	011670	1168	0057 0410 0241
01168	011680	MOVE INIT-TOC TO TOCUD IN PRIORITY-FILE (J).	011680	1169	0058 0411 0241
01169	011690	MOVE INIT-POINT TO POINTER IN PRIORITY-FILE (J).	011690	1170	0059 0412 0241
01170	011700	MOVE INIT-CUD TO CUD (J).	011700	1171	0060 0413 0241
01171	011710	GO TO INITIAL-PARMS.	011710	1172	
01172	011720		011720	1173	

01173	END-PARM-INIT.	01173	01173
01174	MOVE J TO NO-PR.	01174	01174
01175	CLOSE PARM-FILE.	01175	0241 0237
01176	OPEN INPUT AVAIL-PASS-FILE.	01176	0176 0057
01177	PERFORM CHP-CU THRU CHP-CU2.	01177	0176 0060
01178	PERFORM STATISTICS THRU STATISTICS-EXIT.	01178	0176 0060
01179	IF FGEN = HIGH-VALUE MOVE HIGH-VALUE TO AIRCRAFT-EOF.	01179	0176 0060
01180	POS-AIR-FILE.	01180	0176 0060
01181	MOVE 1 TO NO-AC.	01181	0176 0060
01182	IF FGEN = HIGH-VALUE GO TO EXEC-LOAD.	01182	0176 0060
01183	SEEK AIRCRAFT-FILE.	01183	0176 0060
01184		01184	0176 0060
01185	REPLACES "START" IN IBM 360 SYSTEM.	01185	0176 0060
01186		01186	0176 0060
01187	CONT-INT-PARM.	01187	0176 0060
01188	GO TO EXEC-LOAD.	01188	0176 0060
01189	PAGE-HEADING SECTION.	01189	0176 0060
01190	PAGE-HEADING SECTION.	01190	0176 0060
01191	ADD 1 TO NUMBER-FORM.	01191	0176 0060
01192	MOVE NUMBER-FORM TO FORM-NUMBER.	01192	0176 0060
01193	MOVE 3 TO LINE-COUNT.	01193	0176 0060
01194	MOVE CURRENT-DATE TO DATE-HOLD.	01194	0176 0060
01195	ACCEPT DATE-HOLD FROM DATE.	01195	0176 0060
01196	MOVE TIME-OF-DAY TO GETIME.	01196	0176 0060
01197	ACCEPT GETIME FROM TIME.	01197	0176 0060
01198	IF D-SL1 = "M" AND D-SL2 = "M"	01198	0176 0060
01199	MOVE D-CHARS TO DC-CHAR2	01199	0176 0060
01200	MOVE D-CHAR2 TO DC-CHARS	01200	0176 0060
01201	MOVE D-CHAR2 TO DC-CHAR8 ELSE	01201	0176 0060
01202	MOVE D-CHAR4 TO DC-CHAR8	01202	0176 0060
01203	MOVE D-CHAR6 TO DC-CHAR2	01203	0176 0060
01204	MOVE D-CHAR8 TO DC-CHARS	01204	0176 0060
01205	MOVE CORRESPONDING GETIME TO TIME-AREA.	01205	0176 0060
01206	WRITE PRINTER-RECORD FROM HEAD-OF-FORM AFTER ADVANCING	01206	0176 0060
01207	TOP-OF-PAGE.	01207	0176 0060
01208	WRITE PRINTER-RECORD FROM USER-TITLE AFTER ADVANCING 2.	01208	0176 0060
01209	PAGE-HEADING-EXIT.	01209	0176 0060
01210	EXEC-LOAD.	01210	0176 0060
01211	MOVE ZEROS TO SPECIAL-LOAD-CTR.	01211	0176 0060
01212	MOVE 40 TO MAX-NO-ITEMS.	01212	0176 0060
01213	MOVE ZERO TO LOADED-FLAG.	01213	0176 0060
01214	MOVE 0 TO ALL-PASS-FLG.	01214	0176 0060
01215	MOVE 0 TO ALL-PASS-FLG.	01215	0176 0060
01216	MOVE 0 TO COMP-PAL.	01216	0176 0060
01217	MOVE 0 TO ONLCC.	01217	0176 0060
01218	MOVE " " TO FLUSH-PASS.	01218	0176 0060
01219	MOVE ZEROS TO NO-ITER HELI-LOAD-REC LOAD-PLAN-HOLD	01219	0176 0060
01220	R-PAX-NOT-LOADED PAX-MAX HELI-ICR-REJECT	01220	0176 0060
01221	HELI-PICK-TOTAL HELI-PICK-CMT HELI-PAX-LOADED	01221	0176 0060
01222	HELI-GROSS HELI-POINTERS HELI-PASS-IT.	01222	0176 0060
01223	IF FGEN = HIGH-VALUE GO TO EXEC-GENERATE.	01223	0176 0060
01224	EXEC-LOAD-1.	01224	0176 0060
01225	IF AIRCRAFT-EOF = HIGH-VALUE GO TO EOF-AIRCRAFT.	01225	0176 0060
01226	HEAD AIRCRAFT-FILE INVALID KEY GO TO INV-KEY-AC.	01226	0176 0060
01227	EXEC-LOAD-1-1.	01227	0176 0060
01228	IF AC-NO IN AIRCRAFT-DATA = "LOADED "	01228	0176 0060
01229		01229	0176 0060

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01230 012300 ADD 1 TO NO-AC
01231 012310 GO TO EXEC-LOAD-1.
01232 012320*
01233 012330*
01234 012340*
01235 012350*
01236 012360*
01237 012370*
01238 012380*
01239 012390*
01240 012400*
01241 012410*
01242 012420*
01243 012430*
01244 012440*
01245 012450*
01246 012460*
01247 012470*
01248 012480*
01249 012490*
01250 012500*
01251 012510*
01252 012520*
01253 012530*
01254 012540*
01255 012550*
01256 012560*
01257 012570*
01258 012580*
01259 012590*
01260 012600*
01261 012610*
01262 012620*
01263 012630*
01264 012640*
01265 012650*
01266 012660*
01267 012670*
01268 012680*
01269 012690*
01270 012700*
01271 012710*
01272 012720*
01273 012730*
01274 012740*
01275 012750*
01276 012760*
01277 012770*
01278 012780*
01279 012790*
01280 012800*
01281 012810*
01282 012820*
01283 012830*
01284 012840*
01285 012850*
01286 012860*

IF FINTEG = LOW-VALUE NEXT SENTENCE
ELSE IF AC-NO IN AIRCRAFT-DATA = SPACES NEXT SENTENCE
ELSE IF INTEG-NUMB GREATER THAN AC-PRI
  DISPLAY = INTEG-NUMB = " INTEG-NUMB
  DISPLAY "AC-PRI = " AC-PRI
  DISPLAY "THIS AIRCRAFT NOT USED " = AIRCRAFT-DATA
  ADD 1 TO NO-AC
  MOVE "NM" TO AIRCRAFT-USED
  GO TO EXEC-LOAD-1.
IF C5 AND THIS UNIT OR ANY UNIT COMBINED WITH THIS UNIT
  DOES NOT HAVE OUTSIZE CARGO-BY-PASS C-5
  IF THERE ARE OTHER PLANES REMAINING
    IF AC-MOD IN AIRCRAFT-DATA NOT = "C-5" = GO TO EXEC-LOAD-1-C.
    IF NO-C130 = 0 AND NO-C141 = 0 GO TO EXEC-LOAD-1-C.
    IF OUT-MAX = 0 GO TO EXEC-LOAD-1-C.
    IF FINTEG = HIGH-VALUE GO TO EXEC-LOAD-1-C.
    UTILIZES C-5 IF FILE INTEGRITY SELECTED.
    IF TCUCN = 0
      ADD 1 TO NO-AC
      GO TO EXEC-LOAD-1.
    GO TO EXEC-LOAD-1-C.
  IF PASS-LMT NUMERIC AND PASS-LMT NOT = ZEROS
    MOVE PASS-LMT-R TO PAX-MAX.
    GO TO EXEC-LOAD-2.
  INV-KEY-AC.
  COMPUTE TEMP-WORK = NO-C5 + NO-C141 + NO-C130.
  IF TEMP-WORK LESS THAN 1 MOVE 0 TO TEMP-WORK.
  IF TEMP-WORK = 0
    PERFORM STATISTICS THRU STATISTICS-EXIT
    MOVE HIGH-VALUE TO AIRCRAFT-EOF
    DISPLAY = THE AIRCRAFT FILE IS EXHAUSTED =
    GO TO OPERATION-REQUEST.
  DISPLAY = INV-KEY-AC-FILE = NO-AC.
  COMPUTE ART = 0.
  COMPUTE NO-AC = NO-AC - 1.
  IF NO-AC LESS THAN 0 MOVE 0 TO NO-AC.
  REPLACE ABOVE WITH
  COMPUTE NO-AC = 0.
  INV-KEY-AC-1.
  ADD 1 TO ART.
  IF ART GREATER THAN 988 DISPLAY
    = THE AIRCRAFT FILE IS EXHAUSTED =
  PERFORM STATISTICS THRU STATISTICS-EXIT
  GO TO OPERATION-REQUEST.
  COMPUTE NO-AC = NO-AC + 1.
  SEEK AIRCRAFT-FILE.
01230LOAD 1231
01231LOAD 1232 0234
01232LOAD 1233
01233LOAD 1234
01234LOAD 1235
01235LOAD 1236
01236LOAD 1237 0599
01237LOAD 1238 0086
01238LOAD 1239 0218
01239LOAD 1240 0100
01240LOAD 1241 0218
01241LOAD 1242 0100
01242LOAD 1243 0082
01243LOAD 1244 0234
01244LOAD 1245 0307
01245LOAD 1246
01246LOAD 1247
01247LOAD 1248
01248LOAD 1249
01249LOAD 1250
01250LOAD 1251
01251LOAD 1252
01252LOAD 1253
01253LOAD 1254 0085
01254LOAD 1255 0628 0625
01255LOAD 1256 0653
01256LOAD 1257 0599
01257LOAD 1258
01258LOAD 1259 0301
01259LOAD 1260
01260LOAD 1261 0234
01261LOAD 1262
01262LOAD 1263 0091 0091
01263LOAD 1264 0092 0215
01264LOAD 1265
01265LOAD 1266
01266LOAD 1267 0262 0622 0625 0628
01267LOAD 1268 0262 0262
01268LOAD 1269 0262
01269LOAD 1270
01270LOAD 1271 0627
01271LOAD 1272 0207
01272LOAD 1273
01273LOAD 1274
01274LOAD 1275 0256
01275LOAD 1276
01276LOAD 1277
01277LOAD 1278
01278LOAD 1279 0234
01279LOAD 1280
01280LOAD 1281 0256
01281LOAD 1282 0256
01282LOAD 1283
01283LOAD 1284
01284LOAD 1285
01285LOAD 1286 0234 0234
01286LOAD 1287 0075

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01287 READ AIRCRAFT-FILE INVALID KEY GO TO INV-KEY-AC-1. 01287L0AD 1288 0075
01288 COMPUTE REST-CTR = REST-CTR + 1. 01288L0AD 1289 0184
01289 IF REST-CTR GREATER THAN 5 01289L0AD 1290 0184
01290 DISPLAY = THE AIRCRAFT FILE HAS BEEN SEARCHED 5 TIMES = 01290L0AD 1291
01291 * MORE WOULD BE REDUNDANT = 01291L0AD 1292
01292 PERFORM STATISTICS THRU STATISTICS-EXIT 01292L0AD 1293
01293 GO TO OPERATION-REQUEST. 01293L0AD 1294
01294 DISPLAY = AIRCRAFT FILE RESTARTED AT NO-AC = NO-AC. 01294L0AD 1295 0234
01295 GO TO EXEC-LOAD-1-1. 01295L0AD 1296
01296 EXEC-LOAD-2. 01296L0AD 1297
01297 COMPUTE TEMP-WORK = NU-LOADED + PAX-LOADED. 01297L0AD 1298 0262 0217 0214
01298 IF TEMP-WORK NOT = 0 COMPUTE NO-PLANE = NO-PLANE + 1. 01298L0AD 1299 0262 0238 0238
01299 MOVE ZEROS TO NO-EQUIP NO-PASS NU-LOADED 01299L0AD 1300 0212 0213
01300 PAX-LOADED PASS-WT. 01300L0AD 1301 0217 0214 0223
01301 MOVE 0 TO FWD-RAMP, ALL-PASS-FLG. 01301L0AD 1302 0937 0188
01302 IF AC-MOD IN AIRCRAFT-DATA = "C-141" GO TO EXEC-LOAD-3. 01302L0AD 1303 0085
01303 IF AC-MOD IN AIRCRAFT-DATA = "C-130" GO TO EXEC-LOAD-4. 01303L0AD 1304 0085
01304 IF AC-MOD IN AIRCRAFT-DATA = "C-5" = UR 01304L0AD 1305 0085
01305 "C-5A" = GO TO EXEC-LOAD-5. 01305L0AD 1306
01306 DISPLAY = INVALID MODEL = 01306L0AD 1307
01307 GO TO EXEC-LOAD. 01307L0AD 1308
01308 EXEC-LOAD-3. 01308L0AD 1309
01309 01309L0AD 1310
01310 01310L0AD 1311
01311 01311L0AD 1312
01312 IF PAX-MAX = ZERO MOVE 94 TO PAX-MAX. 01312L0AD 1313 0215 0215
01313 MOVE SET-C141 TO SET-DIMENSIONS-AC. 01313L0AD 1314 0991 0925
01314 IF COMF-PAL = 0 GO TO NO-COMFORT-PALLET. 01314L0AD 1315 0099
01315 IF FLS9 = ZEROS 01315L0AD 1316 0096
01316 MOVE 575 TO FST-LOBL-STA FWD-RAMP-HINGE 01316L0AD 1317 0931
01317 GO TO COMF-SET-UP-EXIT. 01317L0AD 1318 0934
01318 IF FLS9 NUMERIC AND FLS LESS THAN 575 01318L0AD 1319 0096 0095
01319 MOVE 575 TO FST-LOBL-STA FWD-RAMP-HINGE 01319L0AD 1320 0931
01320 GO TO COMF-SET-UP-EXIT. 01320L0AD 1321 0934
01321 IF FLS9 NUMERIC AND FLS GREATER THAN 575 01321L0AD 1322 0096 0095
01322 MOVE FLS TO FST-LOBL-STA FWD-RAMP-HINGE 01322L0AD 1323 0095 0931
01323 GO TO COMF-SET-UP-EXIT. 01323L0AD 1324 0934
01324 MOVE 575 TO FST-LOBL-STA FWD-RAMP-HINGE. 01324L0AD 1325 0931 0934
01325 GO TO COMF-SET-UP-EXIT. 01325L0AD 1326
01326 NO-COMFORT-PALLET. 01326L0AD 1327
01327 IF FLS9 NUMERIC AND FLS9 NOT = ZEROS 01327L0AD 1328 0096 0096
01328 MOVE FLS TO FST-LOBL-STA. 01328L0AD 1329 0095 0931
01329 IF FLS9 NUMERIC AND FLS9 NOT = ZEROS 01329L0AD 1330 0098 0098
01330 MOVE LLS TO LST-LOBL-STA. 01330L0AD 1331 0097 0932
01331 COMF-SET-UP-EXIT. 01331L0AD 1332
01332 MOVE WITH-C141 TO AC-WTH. 01332L0AD 1333 0531 0926
01333 MOVE WITH-C141 TO AC-WTH. 01333L0AD 1334 0532 0928
01334 MOVE PCG-C141 TO PLANNING-CG. 01334L0AD 1335 0533 0929
01335 MOVE PLANNING-CG TO ORIG-PLCG. 01335L0AD 1336 0929 0189
01336 MOVE AREA-C141 TO AREA-AC ALW-CU-IN-LINE3. 01336L0AD 1337 0225 0227 0753
01337 MOVE "AFT" TO FACING. 01337L0AD 1338 0766
01338 GO TO EXEC-LOAD-6. 01338L0AD 1339
01339 EXEC-LOAD-4. 01339L0AD 1340
01340 01340L0AD 1341
01341 01341L0AD 1342
01342 01342L0AD 1343
01343 IF PAX-MAX = ZERO MOVE 60 TO PAX-MAX. 01343L0AD 1344 0215 0215

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01344 013440 IF FLS9 NUMERIC AND FLS9 NOT = ZEROS  
 01345 013450 MOVE FLS TO EST-LDBL-STA.  
 01346 013460 IF LLS9 NUMERIC AND LLS9 NOT = ZEROS  
 01347 013470 MOVE LLS TO LST-LDBL-STA.  
 01348 013480 MOVE SET-C130 TO SET-DIMENSIONS-AC.  
 01349 013490 MOVE WTH-C130 TO AC-WTH.  
 01350 013500 MOVE HTH-C130 TO AC-HTH.  
 01351 013510 MOVE PCG-C130 TO PLANNING-CG.  
 01352 013520 MOVE PLANNING-CG TO ORIG-PLCG.  
 01353 013530 MOVE AREA-C130 TO AREA-AC ALW-CU IN LINE3.  
 01354 013540 MOVE "AFT" TO FACING.  
 01355 013550 GO TO EXEC-LOAD-6.  
 01356 013560 EXEC-LOAD-5.  
 01357 013570\* C-5  
 01358 013580\*  
 01359 013590\*  
 01360 013600 IF PAX-MAX = 0 MOVE 73 TO PAX-MAX.  
 01361 013610 MOVE SET-CS TO SET-DIMENSIONS-AC.  
 01362 013620 MOVE 2 TO RAIL-IND.  
 01363 013630 MOVE 1 TO P-C.  
 01364 013640 MOVE 1 TO FWD-RAMP.  
 01365 013650 IF FLS9 NUMERIC AND FLS9 NOT = ZEROS  
 01366 013660 MOVE FLS TO EST-LDBL-STA.  
 01367 013670 IF LLS9 NUMERIC AND LLS9 NOT = ZEROS  
 01368 013680 MOVE LLS TO LST-LDBL-STA.  
 01369 013690 MOVE WTH-C5 TO AC-WTH.  
 01370 013700 MOVE HTH-C5 TO AC-HTH.  
 01371 013710 MOVE PCG-C5 TO PLANNING-CG.  
 01372 013720 MOVE PLANNING-CG TO ORIG-PLCG.  
 01373 013730 MOVE AREA-C5 TO AREA-AC ALW-CU IN LINE3.  
 01374 013740 MOVE "FWD" TO FACING.  
 01375 013750 EXEC-LOAD-6.  
 01376 013760\*  
 01377 013770\* FILL EQUIP LOAD TABLE  
 01378 013780\*  
 01379 013790 MOVE 0 TO LOADING-METHOD.  
 01380 013800 IF FLUSH-PASS = "X"  
 01381 013810 AND FINTEG = HIGH-VALUE  
 01382 013820 AND AIRCRAFT-USED = "N"  
 01383 013830 PERFORM LOAD-PICK THRU LOAD-PICK-EXIT  
 01384 013840 GO TO RPMT-ADJ.  
 01385 013850 IF FLUSH-PASS = "X" GO TO RPMT-ADJ.  
 01386 013860 PERFORM LOAD-PICK THRU LOAD-PICK-EXIT.  
 01387 013870\*  
 01388 013880 RESERVE PASS MT  
 01389 013890\*  
 01390 013900\*  
 01391 013910 ADJ-RPMT.  
 01392 013920 MOVE 0 TO 1.  
 01393 013930 ADD 1 TO 1.  
 01394 013940 IF 1 GREATER THAN NU-EQUIP GO TO RPMT-ADJ.  
 01395 013950\* HELICOPTER XCDE C-CHANGE  
 01396 013960\*  
 01397 013970 MOVE RPMT (1) TO D-CHAR2.  
 01398 013980 IF D-CHAR2 NOT NUMERIC MOVE 0 TO RPMT (1).  
 01399 013990 IF XCDE IN EQUIP-LOAD (1) = 01 MOVE 0 TO RPMT (1).  
 01400 014000 IF RPMT (1) GREATER THAN 2 AND XCDE IN EQUIP-LOAD (1)

014010	014020	014030	014040	014050	014060	014070	014080	014090	014100	014110	014120	014130	014140	014150	014160	014170	014180	014190	014200	014210	014220	014230	014240	014250	014260	014270	014280	014290	014300	014310	014320	014330	014340	014350	014360	014370	014380	014390	014400	014410	014420	014430	014440	014450	014460	014470	014480	014490	014500	014510	014520	014530	014540	014550	014560	014570
GREATER THAN 5 COMPUTE RPT (1) = RPT (1) - 2.	IF RPT (1) LESS THAN 2 AND XCODE IN EQUIP-LOAD (1)	GREATER THAN 5 MOVE 2 TO RPT (1).	GO TO ADJ-RPT.	RPT-ADJ.		IF NO-EQUIP & NO BUMPERD PASSENGERS SELECTED	SEE IF AVAIL PASS FILE NEEDS FLUSHING		IF NO EQUIP SELECTED ALTER START KEY	COMPUTE TEMP-WORK = NO-EQUIP * NO-PASS.	IF TEMP-WORK GREATER THAN 0 GO TO DONT-ALTER-KEY.	IF LOAD-PLAN-HOLD NOT = ZEROS GO TO DONT-ALTER-KEY.	MOVE KEY-MFB TO START-KEY.	IF FANTEG = LUM-VALUE NEXT SENTENCE	ELSE NEW-START-KEY TO START-KEY.	DONT-ALTER-KEY.	IF PASS-EDF = HIGH-VALUE	MOVE " = TO FLUSH-PASS	GO TO FLUSH-BYPASS.	MOVE " = TO FLUSH-PASS.	IF TEMP-WORK GREATER THAN 0 GO TO FLUSH-BYPASS.	IF LOAD-PLAN-HOLD NOT = ZEROS GO TO FLUSH-BYPASS.	FLUSH-PASS-FILE.	IF PASS-ALDY-RD NEXT SENTENCE	ELSE	READ AVAIL-PASS-FILE AT END MOVE HIGH-VALUE TO PASS-EDF	MOVE " = TO FLUSH-PASS	GO TO FLUSH-BYPASS.	MOVE AVAIL-PASS-REC TO MASTER-RECORD.	MOVE HIGH-VALUE TO PASS-RD-FLC.	GET THE RIGHT UNIT FOR THE AIRCRAFT.		IF FANTEG = LOW-VALUE NEXT SENTENCE	ELSE IF NO-LOADED NOT = 0 OR PAX-LOADED NOT = 0	NEXT SENTENCE	ELSE IF AC-NO IN AIRCRAFT-DATA = SPACES	NEXT SENTENCE	ELSE IF INTEG-NUMB LESS THAN AC-PRI	PERFORM CHP-CU THRU CHP-CU2	PERFORM STATISTICS THRU STATISTIC 5-EX II	DISPLAY = NEXT UNIT CALLED = INTEG-NUMB	PERFORM KEY-CHANGE THRU KEY-CHANGE-EXIT	GO TO EXEC-LOAD.	IF PR-NO IN MASTER-RECORD GREATER THAN INTEG-NUMB	MOVE " = TO FLUSH-PASS	PERFORM CHP-CU THRU CHP-CU2	PERFORM STATISTICS THRU STATISTICS-EXIT	PERFORM KEY-CHANGE THRU KEY-CHANGE-EXIT	SUBTRACT 1 FROM MD-AC							
014010	014020	014030	014040	014050	014060	014070	014080	014090	014100	014110	014120	014130	014140	014150	014160	014170	014180	014190	014200	014210	014220	014230	014240	014250	014260	014270	014280	014290	014300	014310	014320	014330	014340	014350	014360	014370	014380	014390	014400	014410	014420	014430	014440	014450	014460	014470	014480	014490	014500	014510	014520	014530	014540	014550	014560	014570
014010	014020	014030	014040	014050	014060	014070	014080	014090	014100	014110	014120	014130	014140	014150	014160	014170	014180	014190	014200	014210	014220	014230	014240	014250	014260	014270	014280	014290	014300	014310	014320	014330	014340	014350	014360	014370	014380	014390	014400	014410	014420	014430	014440	014450	014460	014470	014480	014490	014500	014510	014520	014530	014540	014550	014560	014570
014010	014020	014030	014040	014050	014060	014070	014080	014090	014100	014110	014120	014130	014140	014150	014160	014170	014180	014190	014200	014210	014220	014230	014240	014250	014260	014270	014280	014290	014300	014310	014320	014330	014340	014350	014360	014370	014380	014390	014400	014410	014420	014430	014440	014450	014460	014470	014480	014490	014500	014510	014520	014530	014540	014550	014560	014570
014010	014020	014030	014040	014050	014060	014070	014080	014090	014100	014110	014120	014130	014140	014150	014160	014170	014180	014190	014200	014210	014220	014230	014240	014250	014260	014270	014280	014290	014300	014310	014320	014330	014340	014350	014360	014370	014380	014390	014400	014410	0144															









016290*	NO C-5 GENERATE.	016290	016290
016300	NEXT SENTENCE	016300	016300
016310	ELSE	016310	016310
016320	IF TOCWI (PR-NO IN MASTER-RECORD)	016320	016320
016330	GREATER THAN 1	016330	016330
016340	GO TO GEN-C5.	016340	016340
016350*	THIS IS NECESSARY FOR NO UNIT INTEGRITY OPTION.	016350	016350
016360*		016360	016360
016370*		016370	016370
016380*		016380	016380
016390	IF FINTEG = LOW-VALUE AND OUT-MAX GREATER THAN 0	016390	016390
016400	GO TO GEN-C5.	016400	016400
016410	IF MIX-C141 = 0 GO TO GEN-C130.	016410	016410
016420	IF MIX-C130 = 0 GO TO GEN-C141.	016420	016420
016430	COMPUTE RATIO-C141 = C141-LOADED / MIX-C141.	016430	016430
016440	COMPUTE RATIO-C130 = C130-LOADED / MIX-C130.	016440	016440
016450	IF RATIO-C141 GREATER THAN RATIO-C130 GO TO GEN-C130.	016450	016450
016460	GEN-C141.	016460	016460
016470*	SET PASSENGER DATA FOR C-141.	016470	016470
016480	IF C-141-PAS GREATER THAN ZEROS	016480	016480
016490	MOVE C-141-PAS TO PASS-LMT. PAX-MAX.	016490	016490
016500	IF C-141-PAS-M GREATER THAN ZEROS	016500	016500
016510	MOVE C-141-PAS-M TO EP9.	016510	016510
016520	MOVE "C-141" TO AC-MOD IN AIRCRAFT-DATA.	016520	016520
016530	MOVE ACL-C141 TO ALW-MT IN AIRCRAFT-DATA.	016530	016530
016540	GO TO EXEC-LOAD-2.	016540	016540
016550	GEN-C130.	016550	016550
016560*	SET PASSENGER DATA FOR C-130.	016560	016560
016570	IF C-130-PAS GREATER THAN ZEROS	016570	016570
016580	MOVE C-130-PAS TO PASS-LMT. PAX-MAX.	016580	016580
016590	IF C-130-PAS-M GREATER THAN ZEROS	016590	016590
016600	MOVE C-130-PAS-M TO EP9.	016600	016600
016610	MOVE "C-130" TO AC-MOD IN AIRCRAFT-DATA.	016610	016610
016620	MOVE ACL-C130 TO ALW-MT IN AIRCRAFT-DATA.	016620	016620
016630	GO TO EXEC-LOAD-2.	016630	016630
016640	GEN-C5.	016640	016640
016650*	SET PASSENGER DATA FOR C-5.	016650	016650
016660	IF C-5-PAS GREATER THAN ZEROS	016660	016660
016670	MOVE C-5-PAS TO PASS-LMT. PAX-MAX.	016670	016670
016680	IF C-5-PAS-M GREATER THAN ZEROS	016680	016680
016690	MOVE C-5-PAS-M TO EP9.	016690	016690
016700	MOVE "C-5" TO AC-MOD IN AIRCRAFT-DATA.	016700	016700
016710	MOVE ACL-C5 TO ALW-MT IN AIRCRAFT-DATA.	016710	016710
016720	GO TO EXEC-LOAD-2.	016720	016720
016730*	KEY-CHANGE.	016730	016730
016740	IF FINTEG = LOW-VALUE GO TO KEY-CHANGE-EXIT.	016740	016740
016750	MOVE NEW-START-KEY TO START-KEY.	016750	016750
016760	EXIT.	016760	016760
016770		016770	016770
016780	KEY-CHANGE-EXIT.	016780	016780
016790		016790	016790
016800*		016800	016800
016810*		016810	016810
016820*		016820	016820
016830*		016830	016830
016840*		016840	016840
016850*		016850	016850

LOADP

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01686 016860 LOAD-PICK SECTION 15.
01687 016870 LOAD-PICK-PRG.
01688 016880 MOVE START-KEY TO KEY-MFN.
01689 016890 GET THE RIGHT UNIT FOR THE AIRCRAFT.
01690 016900
01691 016910
01692 016920
01693 016930
01694 016940 IF FINTEG = LOW-VALUE NEXT SENTENCE
01695 016950 ELSE IF NU-LOADED NOT = 0 OR PAX-LOADED NOT = 0
01696 016960 NEXT SENTENCE
01697 016970 ELSE IF AC-NO IN AIRCRAFT-DATA = SPACES
01698 016980 NEXT SENTENCE
01699 016990 ELSE IF INTEG-NUMB LESS THAN AC-PRI
01700 017000 PERFORM CHP-CU THRU CHP-CU2
01701 017010 PERFORM STATISTICS THRU STATISTICS-EXIT
01702 017020 PERFORM KEY-CHANGE THRU KEY-CHANGE-EXIT
01703 017030 DISPLAY = NEXT UNIT CALLED = INTEG-NUMB
01704 017040 GO TO EXEC-LOAD.
01705 017050 MOVE HIGH-VALUES TO VRN-TEMP.
01706 017060 MOVE 0 TO I. J.
01707 017070 MOVE LOW-VALUE TO MASTER-EOF HIGH-CLASS.
01708 017080 MOVE ZERO TO Z L M N K NEXT-MODEL.
01709 017090 MOVE HIGH-VALUES TO VRN-HOLD.
01710 017100 SEEK MASTER-FILE.
01711 017110
01712 017120 REPLACES = START= IN IBM 360 SYSTEM.
01713 017130
01714 017140 READ MASTER-FILE INVALID KEY
01715 017150
01716 017160 INVALID KEY CHECK WHEN THE COMFORT PALLET IS FOUND.
01717 017170
01718 017180 GO TO INV-KEY-CP-CK.
01719 017190 GO TO MASTER-RS-OUT.
01720 017200 INV-KEY-CP-CK.
01721 017210 IF KEY-MFN = 99999999
01722 017220 DISPLAY = MASTER-FILE EXHAUSTED =
01723 017230 GO TO LOAD-PICK-CK-FOR-BYPASSED
01724 017240 ELSE
01725 017250 DISPLAY = BAD MASTER-FILE READ LOAD-PICK-PARA = KEY-MFN
01726 017260 GO TO MASTER-RS-1.
01727 017270 MASTER-RS-1.
01728 017280
01729 017290
01730 017300 THE MASTER FILE IS OUT OF SEQUENCE. RESET IT.
01731 017310 MOVE 0 TO ART.
01732 017320 MASTER-RS-2.
01733 017330 ADD 1 TO ART.
01734 017340 IF ART GREATER THAN 998 DISPLAY
01735 017350 " MASTER-FILE NOT OBTAINABLE KEY-MFN = KEY-MFN
01736 017360 GO TO LOAD-PICK-EXIT-A.
01737 017370 COMPUTE KEY-MFN = KEY-MFN + 1.
01738 017380 SEEK MASTER-FILE.
01739 017390 READ MASTER-FILE INVALID KEY GO TO MASTER-RS-2.
01740 017400 IF KEY-MFN = 99999999
01741 017410
01742 017420

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01743  DISPLAY " MASTER-FILE EXHAUSTED "
01744  GO TO LOAD-PICK-CK-FOR-BYPASSED
01745  ELSE
01746  DISPLAY " THE NEXT GOOD MASTER-FILE IS KEY-MFN = " KEY-MFN.
01747  MASTER-RS-OUT.
01748  01743LOAD 1744
01749  01748LOAD 1749
01750  01749LOAD 1750
01751  01750LOAD 1751
01752  01751LOAD 1752
01753  01752LOAD 1753
01754  01753LOAD 1754
01755  01754LOAD 1755
01756  01755LOAD 1756
01757  01756LOAD 1757
01758  01757LOAD 1758
01759  01758LOAD 1759
01760  01759LOAD 1760
01761  01760LOAD 1761
01762  01761LOAD 1762
01763  01762LOAD 1763
01764  01763LOAD 1764
01765  01764LOAD 1765
01766  01765LOAD 1766
01767  01766LOAD 1767
01768  01767LOAD 1768
01769  01768LOAD 1769
01770  01769LOAD 1770
01771  01770LOAD 1771
01772  01771LOAD 1772
01773  01772LOAD 1773
01774  01773LOAD 1774
01775  01774LOAD 1775
01776  01775LOAD 1776
01777  01776LOAD 1777
01778  01777LOAD 1778
01779  01778LOAD 1779
01780  01779LOAD 1780
01781  01780LOAD 1781
01782  01781LOAD 1782
01783  01782LOAD 1783
01784  01783LOAD 1784
01785  01784LOAD 1785
01786  01785LOAD 1786
01787  01786LOAD 1787
01788  01787LOAD 1788
01789  01788LOAD 1789
01790  01789LOAD 1790
01791  01790LOAD 1791
01792  01791LOAD 1792
01793  01792LOAD 1793
01794  01793LOAD 1794
01795  01794LOAD 1795
01796  01795LOAD 1796
01797  01796LOAD 1797
01798  01797LOAD 1798
01799  01798LOAD 1799
01799  01799LOAD 1800

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IF BUMP-NO IN MASTER-RECORD = LOW-VALUE OR  
 BUMP-NO IN MASTER-RECORD = HIGH-VALUE  
 MOVE SPACES TO BUMP-NO IN MASTER-RECORD.  
 GO TO LOAD-PICK-1A.  
 GO TO LOAD-PICK-1A.  
 IF MASTER-EOF EQUAL HIGH-VALUE  
 GO TO LOAD-PICK-CK-FOR-BYPASSED.  
 READ MASTER-FILE-AT-EOF-GO-TO-LOAD-PICK-CK-FOR-BYPASSED.  
 IF KEY-MFN = 99999999 GO TO LOAD-PICK-1.  
 INSURE SPACE IF NOT BUMPERED  
 IF BUMP-NO IN MASTER-RECORD = LOW-VALUE OR  
 BUMP-NO IN MASTER-RECORD = HIGH-VALUE  
 MOVE SPACES TO BUMP-NO IN MASTER-RECORD.  
 LOAD-PICK-1A.  
 IF NEW-START-KEY LESS THAN KEY-MFN  
 MOVE KEY-MFN TO NEW-START-KEY.  
 IF PR-NO IN MASTER-RECORD GREATER THAN INTEG-NUMB  
 GO TO LOAD-PICK-NEXT-UNIT.  
 IF AC-PRI = INTEG-NUMB  
 OR AC-NO IN AIRCRAFT-DATA = SPACES  
 NEXT SENTENCE  
 ELSE GO TO LOAD-PICK-1.  
 IF SIZE-CODE IN MASTER-RECORD = " " GO TO LOAD-PICK-1.  
 IF XCODE IN MASTER-RECORD = 2 GO TO LOAD-PICK-B.  
 COMPUTE TEMP-WORK = MAX-NO-ITEMS - 3 - 1.  
 IF TEMP-WORK NOT LESS THAN 2 GO TO LOAD-PICK-B.  
 BETTER NOT GET ANY MORE BUMPERED ITEMS  
 NO MATE OPTION  
 IF FMATE = LOW-VALUE GO TO LOAD-PICK-B.  
 SEE IF THIS IS MATE TO LAST SELECTED ITEM...IF SO TAKE IT...  
 IF VRN IN MASTER-RECORD = VRN-TEMP GO TO LOAD-PICK-B.  
 IF BUMP-NO IN MASTER-RECORD NOT = SPACES GO TO LOAD-PICK-1.  
 LOAD-PICK-B.  
 IF THIS ITEM BUMPERED TO PREVIOUS REJECTED ITEM DO NOT CONSIDER  
 IF BUMP-NO IN MASTER-RECORD = SPACES  
 OR FMATE = LOW-VALUE-NEXT SENTENCE  
 ELSE





018570*	IF XCODE IN EQUIP-LOAD (1) = 7	018570LOAD	1858
018580	AND AC-MOD IN AIRCRAFT-DATA = "C-141"	018580LOAD	1859 0437 0240
018590	MOVE 55 TO WTH IN EQUIP-LOAD (1).	018590LOAD	1860 0085
018600	MOVE CGC IN MASTER-RECORD TO PRMCCG (1).	018600LOAD	1861 0441 0240
018610		018610LOAD	1862 0136 0445 0240
018620*	RESERVE PASSENGER WT. IF NECESSARY	018620LOAD	1863
018630*		018630LOAD	1864
018640*		018640LOAD	1865
018650	IF XCODE IN EQUIP-LOAD (1) GREATER THAN 5	018650LOAD	1866 0437 0240
018660	MOVE 2 TO RPWT (1) ELSE MOVE 0 TO RPWT (1).	018660LOAD	1867 0446 0240 0446 0240
018670	PICK-CALC-1.	018670LOAD	1868
018680	COMPUTE XAREA = XAREA +	018680LOAD	1869 0229 0229
018690	(LTH IN MASTER-RECORD * WTH IN MASTER-RECORD) / 144).	018690LOAD	1870 0133 0134
018700	PICK-CALC-2.	018700LOAD	1871
018710	COMPUTE GROSS = GROSS + WT IN MASTER-RECORD.	018710LOAD	1872 0228 0228 0132
018720	MOVE VRN IN MASTER-RECORD TO VRN-TEMP.	018720LOAD	1873 0116 0554
018730	IF BUMP-NO IN VRN-TEMP = SPACES	018730LOAD	1874 0556
018740	MOVE HIGH-VALUE TO BUMP-NO IN VRN-TEMP.	018740LOAD	1875 0556
018750*		018750LOAD	1876
018760*	DONT-LOAD-UP MORE THAN 78 IN EQUIP-LOAD IE-SAVE	018760LOAD	1877
018770*	ROOM FOR 2 PNG HELI LOAD	018770LOAD	1878
018780*		018780LOAD	1879
018790	COMPUTE TEMP-WORK = MAX-NO-ITEMS - 2.	018790LOAD	1880 0262 0263
018800	IF COMF-PAL = 1 COMPUTE TEMP-WORK = TEMP-WORK - 1.	018800LOAD	1881 0039 0262 0262
018810	IF 1 NOT LESS THAN TEMP-WORK GO TO LOAD-PICK-EXIT-1.	018810LOAD	1882 0240 0262
018820	IF HIGH-CLASS = HIGH-VALUE-GO TO LOAD-PICK-1.	018820LOAD	1883 0240 0262
018830	IF LOAD-FLAG (1) = "M" GO TO LOAD-PICK-1.	018830LOAD	1884 0435 0240
018840	IF SIZE-CODE IN MASTER-RECORD = "D" SUBTRACT 1 FROM DITEMS.	018840LOAD	1885 0122 0953
018850	IF SIZE-CODE IN MASTER-RECORD = "C" SUBTRACT 1 FROM CITEMS.	018850LOAD	1886 0122 0954
018860	IF SIZE-CODE IN MASTER-RECORD = "B" SUBTRACT 1 FROM BITEMS.	018860LOAD	1887 0122 0955
018870	IF SIZE-CODE IN MASTER-RECORD = "A" SUBTRACT 1 FROM AITEMS.	018870LOAD	1888 0122 0956
018880	GO TO LOAD-PICK-1.	018880LOAD	1889
018890	LOAD-PICK-5B.	018890LOAD	1890
018900	IF FRATE = LOW-VALUE AND FTELE = LOW-VALUE	018900LOAD	1891 0586 0587
018910	GO TO SEL-ITEM-FOR-LOADING.	018910LOAD	1892
018920*		018920LOAD	1893
018930*	MATED ITEM COMBINE LTH HTH CGC	018930LOAD	1894
018940*		018940LOAD	1895
018950	MOVE EQUIP-LOAD (1) TO BUFFER.	018950LOAD	1896 0426 0240 0491
018960	MOVE SSAN IN MASTER-RECORD TO TEMP.	018960LOAD	1897 0131 0247
018970*		018970LOAD	1898
018980*	TR ????	018980LOAD	1899
018990*		018990LOAD	1900
019000*	IF FTELE = HIGH-VALUE AND XCODE IN MASTER-RECORD = 5	019000LOAD	1901 0587 0130
019010	GO TO TELES-TR.	019010LOAD	1902
019020	IF XCODE IN MASTER-RECORD = 3 MOVE -2 TO TEMP.	019020LOAD	1903 0130 0247
019030	IF XCODE IN MASTER-RECORD = 4 MOVE -6 TO TEMP.	019030LOAD	1904 0130 0247
019040	IF XCODE IN MASTER-RECORD = 5 MOVE -6 TO TEMP.	019040LOAD	1905 0130 0247
019050	TELES-TR.	019050LOAD	1906
019060	COMPUTE MOMENT = CGC IN BUFFER * WT IN BUFFER +	019060LOAD	1907 0252 0509 0505
019070	(WT IN MASTER-RECORD * LTH IN BUFFER +	019070LOAD	1908 0132 0506
019080	CGC IN MASTER-RECORD - TEMP)).	019080LOAD	1909 0136 0247
019090	COMPUTE WT IN BUFFER = WT IN BUFFER + WT IN MASTER-RECORD.	019090LOAD	1910 0505 0505 0132
019100	COMPUTE LTH IN BUFFER = LTH IN BUFFER + LTH IN MASTER-RECORD	019100LOAD	1911 0506 0506
019110	- TEMP.	019110LOAD	1912 0133 0247
019120	COMPUTE CGC IN BUFFER = MOMENT / WT IN BUFFER.	019120LOAD	1913 0509 0252 0505
019130	IF HTH IN MASTER-RECORD GREATER THAN HTH IN BUFFER	019130LOAD	1914 0135

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01914 C19140 MOVE WTH IN MASTER-RECORD TO WTH IN BUFFER.
01915 C19150 IF WTH IN MASTER-RECORD GREATER THAN WTH IN BUFFER
01916 C19160 MOVE WTH IN MASTER-RECORD TO WTH IN BUFFER.
01917 C19170* IF SIZE-CODE IN MASTER-RECORD GREATER THAN BUF-SIZ-CD
01918 C19180 MOVE SIZE-CODE IN MASTER-RECORD TO BUF-SIZ-CD.
01919 C19190 IF MATED TO KEEP KEEP WIDTH 55
01920 C19200* IF MATED TO KEEP KEEP WIDTH 55
01921 C19210* IF XCODE IN EQUIP-LOAD (I) = 7
01922 C19220 AND AC-MOD IN AIRCRAFT-DATA = "C-141"
01923 C19230 MOVE 55 TO WTH IN BUFFER.
01924 C19240 MOVE BUFFER TO EQUIP-LOAD (I).
01925 C19250 MOVE "M" TO LOAD-FLAG (I).
01926 C19260 SUBTRACT 1 FROM MAX-NO-ITEMS.
01927 C19270 GO TO PICK-CALC-1.
01928 C19280 LOAD-PICK-PSG.
01929 C19290 GET BUMPERED PASSENGERS ONLY
01930 C19300*
01931 C19310* GET THOSE WHICH HAVE BEEN BYPASSED
01932 C19320*
01933 C19330* IF R-FLAG IN MASTER-RECORD = *** NEXT SENTENCE
01934 C19340 IF FDATE = LOW-VALUE NEXT SENTENCE
01935 C19350* ELSE
01936 C19360 IF VRN IN MASTER-RECORD NOT = VRN-TEMP GO TO LOAD-PICK-1.
01937 C19370 ADD 1 TO J.
01938 C19380 MOVE MASTER-RECORD TO PASS-LOAD (J).
01939 C19390 IF VRN IN PASS-LOAD (J) = VRN IN EQUIP-LOAD (I)
01940 C19400 ADD 1 TO RPMT (I).
01941 C19410 GO TO PICK-CALC-2.
01942 C19420 LOAD-PICK-EXIT-A.
01943 C19430 MOVE U TO I J.
01944 C19440 GO TO LOAD-PICK-EXIT-1.
01945 C19450 LOAD-PICK-STORE-BYPASSED.
01946 C19460 IF VRN IN MASTER-RECORD NOT = VRN-HOLD
01947 C19470 AND VRN IN MASTER-RECORD = VRN-HOLD
01948 C19480 GO TO LP-MATE-BYPASSED.
01949 C19490 LP-STORE-BYP.
01950 C19500 MOVE MASTER-RECORD TO BUFFER.
01951 C19510 MOVE VRN IN MASTER-RECORD TO VRN-HOLD.
01952 C19520 IF HIGH-CLASS = HIGH-VALUE GO TO LOAD-PICK-1.
01953 C19530 IF 2 NOT LESS THAN MAX-NO-ITEMS GO TO LOAD-PICK-1.
01954 C19540 ADD 1 TO Z.
01955 C19550 MOVE MASTER-RECORD TO EQUIP-LOAD-HLD (Z).
01956 C19560 GO TO LOAD-PICK-1.
01957 C19570 LP-MATE-BYPASSED.
01958 C19580 THIS RECORD IS MATED TO PREVIOUSLY BYPASSED RECORD--IF MATED *
01959 C19590 RECORD CLASS-CODE CAN BE ACCEPTED IN EQUIP-LOAD THEN RETRIEVE *
01960 C19600 BY-PASSED RECORD TO MATE WITH THIS ONE.
01961 C19610 IF SIZE-CODE IN MASTER-RECORD = "D"
01962 C19620 AND DITEMS NOT LESS THAN 1 SUBTRACT 1 FROM DITEMS
01963 C19630 IF SIZE-CODE IN MASTER-RECORD = "C"
01964 C19640 AND CITEMS NOT LESS THAN 1 SUBTRACT 1 FROM CITEMS
01965 C19650 GO TO LP-MATE-OK.
01966 C19660 IF SIZE-CODE IN MASTER-RECORD = "C"
01967 C19670 AND CITEMS NOT LESS THAN 1 SUBTRACT 1 FROM CITEMS
01968 C19680 GO TO LP-MATE-OK.
01969 C19690
01970 C19700
01971 C19710

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01514LOAD 1915 0508 0135 0508
01515LOAD 1916 0134
01516LOAD 1917 0507 0134 0507
01517LOAD 1918
01518LOAD 1919 0122
01519LOAD 1920 0510 0122 0510
01520LOAD 1921
01521LOAD 1922
01522LOAD 1923 0437 0240
01523LOAD 1924 0085
01524LOAD 1925 0507
01525LOAD 1926 0431 0426 0240
01526LOAD 1927 0435 0240
01527LOAD 1928 0263
01528LOAD 1929
01529LOAD 1930
01530LOAD 1931
01531LOAD 1932
01532LOAD 1933
01533LOAD 1934
01534LOAD 1935
01535LOAD 1936
01536LOAD 1937 0120
01537LOAD 1938
01538LOAD 1939 0586
01539LOAD 1940
01540LOAD 1941 0116 0554
01541LOAD 1942 0241
01542LOAD 1943 0109 0447 0241
01543LOAD 1944 0452 0241 0431 0240
01544LOAD 1945 0446 0240
01545LOAD 1946
01546LOAD 1947
01547LOAD 1948 0240 0241
01548LOAD 1949
01549LOAD 1950
01550LOAD 1951 0116
01551LOAD 1952 0116
01552LOAD 1953 0352
01553LOAD 1954
01554LOAD 1955 0109 0491
01555LOAD 1956 0116 0352
01556LOAD 1957 0204
01557LOAD 1958 0246 0263
01558LOAD 1959 0246
01559LOAD 1960 0109 0415 0246
01560LOAD 1961
01561LOAD 1962
01562LOAD 1963
01563LOAD 1964
01564LOAD 1965
01565LOAD 1966 0122
01566LOAD 1967 0953
01567LOAD 1968 0953
01568LOAD 1969 0122
01569LOAD 1970 0954
01570LOAD 1971 0954

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02 28 020280***** SECTIONS HELI-PICK, HELI-SELECT, HELI-DELETE AND
02 29 020290***** HELI-POSITION-MASTER ACCOMPLISH THE FOLLOWING -
02 30 020300***** 1. PICK HELICOPTERS FROM MASTER-FILE AND PLACE THEM IN
02 31 020310***** HELI-LOAD.
02 32 020320***** 2. SELECT A HELI-LOAD-PLAN FROM HELI-LOAD-FILE USING
02 33 020330***** HELIS STORED IN HELI-LOAD. PLACE HELI PACKAGE
02 34 020340***** INFORMATION IN A ENTRY OF EQUIP-LOAD (FOR ONE PKG) OR
02 35 020350***** TWO ENTRIES OF EQUIP-LOAD (FOR TWO PKGS).
02 36 020360***** 3. DELETE SELECTED HELIS FROM MASTER-FILE AND SELECT PAX
02 37 020370***** REQUIRED 1= BUMP-ND) FOR THE HELIS.
02 38 020380***** 4. REPOSITION MASTER-FILE FOR SUBSEQUENT USE.
02 39 020390***** X
02 40 020400***** IF PR-ND IN MASTER-RECORD
02 41 020410***** GREATER THAN INTEG-NUMB *****
02 42 020420***** AND FINTEG = HIGH-VALUE
02 43 020430***** GO TO LOAD-PICK-EXIT-1.
02 44 020440***** IF HELI-PICK-REJECT = 1
02 45 020450***** GO TO LOAD-PICK-1.
02 46 020460***** IF LOAD-PLAN-HOLD = ZEROS
02 47 020470***** GO TO HELI-PICK-INITIALIZATION.
02 48 020480***** IF HELI-ADD-CARGO-IND NOT = ZERO
02 49 020490***** GO TO LOAD-PICK-EXIT-1.
02 50 020500***** GO TO LOAD-PICK-INITIALIZATION.
02 51 020510***** HELI-PICK-INITIALIZATION.
02 52 020520***** MOVE START-KEY TO START-KEY-HOLD.
02 53 020530***** MOVE KEY-MFR TO START-KEY
02 54 020540***** MOVE 1 TO HELI-SUB.
02 55 020550***** MOVE HELI-TYPES (XCODE IN MASTER-RECORD) TO HELI-TYPE-SUB.
02 56 020560***** MOVE HELI-TYPE-SUB TO HELI-TYPE-REQUIRED.
02 57 020570*****
02 58 020580***** POSITION MASTER-FILE FOR HELI SEARCH.
02 59 020590*****
02 60 020600***** MOVE START-KEY TO KEY-MFN.
02 61 020610***** SEEK MASTER-FILE.
02 62 020620***** READ MASTER-FILE INVALID KEY
02 63 020630***** DISPLAY "BAD MASTER READ IN HELI PICK SECTION "
02 64 020640***** GO TO HELI-PICK-EXIT-1.
02 65 020650***** HELI-PICK-STORE.
02 66 020660***** MOVE MASTER-RECORD TO HELI-LOAD (HELI-SUB).
02 67 020670***** ADD 1 TO HELI-CNT (HELI-TYPE-SUB).
02 68 020680***** ADD 1 TO HELI-PICK-TOTAL.
02 69 020690***** ADD 1 TO HELI-SUB.
02 70 020700***** IF HELI-SUB NOT GREATER THAN 20
02 71 020710***** GO TO HELI-PICK-READ.
02 72 020720***** HELI-PICK-TOD-MANY.
02 73 020730***** DISPLAY " *** HELICOPTERS IN UNIT EXCEED 80 ***.
02 74 020740***** GO TO HELI-PICK-EXIT-1.
02 75 020750***** HELI-PICK-READ.
02 76 020760***** THIS TAKES CARE OF THE PROBLEM IF MASTER EOF SHOWS
02 77 020770***** HIGH VALUES AND THE LAST OF THE MASTER FILE HAS NOT BEEN
02 78 020780***** READ IN THIS SECTION OF THE PROGRAM.
02 79 020790***** IF KEY-MFR NOT = 99999999
02 80 020800***** NEXT SENTENCE
02 81 020810***** ELSE
02 82 020820***** IF MASTER-EOF EQUAL HIGH-VALUE
02 83 020830***** CLOSE MASTER-FILE
02 84 020840***** OPEN I-D MASTER-FILE

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02 85 020850 DISPLAY = WHY 7777
02 86 020860 GO TO HELI-PICK-EXIT-1.
02 87 020870 READ MASTER-FILE AT END
02 88 020880 CLOSE MASTER-FILE
02 89 020890 OPEN I=0 MASTER-FILE
02 90 020900 GO TO HELI-PICK-EXIT-1.
02 91 020910 IF PR=NO IN MASTER-RECORD
02 92 020920 GREATER THAN INTEG-NUMB
02 93 020930 GO TO HELI-PICK-EXIT-1.
02 94 020940***
02 95 020950 IF XCODE IN MASTER-RECORD GREATER THAN 10
02 96 020960 NEXT SENTENCE ELSE GO TO HELI-PICK-READ.
02 97 020970 IF SIZE-CODE IN MASTER-RECORD = "0"
02 98 020980 GO TO HELI-PICK-READ.
02 99 020990 MOVE HELI-TYPES (XCODE IN MASTER-RECORD) TO HELI-TYPE-SUB.
02 100 021000 GO TO HELI-PICK-STORE.
02 101 021010 HELI-PICK-EXIT-1.
02 102 021020 MOVE 1 TO HELI-PICK-REJECT.
02 103 021030 PERFORM HELI-SELECT THRU HELI-SELECT-EXIT.
02 104 021040 IF LOAD-PLAN-HOLD = ZEROS
02 105 021050 PERFORM HELI-POSITION-MASTER THRU HELI-P-N-EXIT
02 106 021060 GO TO LOAD-PICK-PARA.
02 107 021070 MOVE 0 TO J.
02 108 021080 PERFORM HELI-DELETE THRU HELI-DELETE-EXIT.
02 109 021090 PERFORM HELI-POSITION-MASTER THRU HELI-P-N-EXIT.
02 110 021100 HELI-PICK-EXIT-2.
02 111 021110 IF HELI-ADD-CARGO-IND = ZERO
02 112 021120 MOVE HELI-GROSS TO GROSS
02 113 021130 MOVE HELI-PAX-LOADED TO NU-PASS
02 114 021140 MOVE ZERO TO I
02 115 021150 GO TO LOAD-PICK-EXIT-1.
02 116 021160 HELI-PICK-SET-CLASS-1.
02 117 021170 IF HELI-ADD-CARGO-IND = "A"
02 118 021180 MOVE 0 TO BITENS CITENS DITENS
02 119 021190 GO TO HELI-PICK-SET-CLASS-2.
02 120 021200 IF HELI-ADD-CARGO-IND = "B"
02 121 021210 MOVE 0 TO CITENS DITENS
02 122 021220 GO TO HELI-PICK-SET-CLASS-2.
02 123 021230 IF HELI-ADD-CARGO-IND = "C"
02 124 021240 MOVE 0 TO DITENS
02 125 021250 GO TO HELI-PICK-SET-CLASS-2.
02 126 021260 IF HELI-ADD-CARGO-IND = "D"
02 127 021270 GO TO HELI-PICK-SET-CLASS-2.
02 128 021280 HELI-PICK-SET-CLASS-2.
02 129 021290 MOVE HELI-GROSS TO GROSS.
02 130 021300 MOVE 0 TO MD-EQUIP.
02 131 021310 MOVE HELI-PAX-LOADED TO NU-PASS.
02 132 021320 COMPUTE XAREA = (HELI-PKG-LENGTH (1) * HELI-PKG-WIDTH (1) +
02 133 021330 HELI-PKG-LENGTH (2) * HELI-PKG-WIDTH (2)) / 144.
02 134 021340 GO TO LOAD-PICK-PARA.
02 135 021350 HELI-SELECT SECTION 15.
02 136 021360 HELI-SELECT-1ST-TIME.
02 137 021370 IF HNMOM-KEY NOT = ZERO
02 138 021380 GO TO HELI-SELECT-AC-SET.
02 139 021390 HELI-SELECT-INITIALIZATION.
02 140 021400 MOVE 999997 TO HNMOM-KEY.
02 141 021410 HELI-RECORD-SEARCH.
02 142 021420
02 143 021430
02 144 021440
02 145 021450
02 146 021460
02 147 021470
02 148 021480
02 149 021490
02 150 021500
02 151 021510
02 152 021520
02 153 021530
02 154 021540
02 155 021550
02 156 021560
02 157 021570
02 158 021580
02 159 021590
02 160 021600
02 161 021610
02 162 021620
02 163 021630
02 164 021640
02 165 021650
02 166 021660
02 167 021670
02 168 021680
02 169 021690
02 170 021700
02 171 021710
02 172 021720
02 173 021730
02 174 021740
02 175 021750
02 176 021760
02 177 021770
02 178 021780
02 179 021790
02 180 021800
02 181 021810
02 182 021820
02 183 021830
02 184 021840
02 185 021850
02 186 021860
02 187 021870
02 188 021880
02 189 021890
02 190 021900
02 191 021910
02 192 021920
02 193 021930
02 194 021940
02 195 021950
02 196 021960
02 197 021970
02 198 021980
02 199 021990
02 200 022000
02 201 022010
02 202 022020
02 203 022030
02 204 022040
02 205 022050
02 206 022060
02 207 022070
02 208 022080
02 209 022090
02 210 022100
02 211 022110
02 212 022120
02 213 022130
02 214 022140
02 215 022150
02 216 022160
02 217 022170
02 218 022180
02 219 022190
02 220 022200
02 221 022210
02 222 022220
02 223 022230
02 224 022240
02 225 022250
02 226 022260
02 227 022270
02 228 022280
02 229 022290
02 230 022300
02 231 022310
02 232 022320
02 233 022330
02 234 022340
02 235 022350
02 236 022360
02 237 022370
02 238 022380
02 239 022390
02 240 022400
02 241 022410
02 242 022420
02 243 022430
02 244 022440
02 245 022450
02 246 022460
02 247 022470
02 248 022480
02 249 022490
02 250 022500
02 251 022510
02 252 022520
02 253 022530
02 254 022540
02 255 022550
02 256 022560
02 257 022570
02 258 022580
02 259 022590
02 260 022600
02 261 022610
02 262 022620
02 263 022630
02 264 022640
02 265 022650
02 266 022660
02 267 022670
02 268 022680
02 269 022690
02 270 022700
02 271 022710
02 272 022720
02 273 022730
02 274 022740
02 275 022750
02 276 022760
02 277 022770
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02142 021420 SEEK HELI-LOAD-FILE. 02142 2143 0137
02143 021430 REPLACES "START" IN IBM 360 SYSTEM. 02143 2144
02144 021440 READ HELI-LOAD-FILE INVALID KEY 02144 2145
02145 021450 DISPLAY " *** UNABLE TO READ HELI-LOAD-FILE ***" 02145 2146
02146 021460 02146 2147 0137
02147 021470 02147 2148 0355
02148 021480 HELI-RECORD-FOUND. 02148 2149 0355
02149 021490 MOVE HELI-START TO W-HELI-START-1. 02149 2150
02150 021500 PERFORM HELI-START-READ. 02150 2151 0169 0328
02151 021510 MOVE HELI-START TO W-HELI-START-2. 02151 2152
02152 021520 PERFORM HELI-START-READ. 02152 2153 0169 0329
02153 021530 MOVE HELI-START TO W-HELI-START-3. 02153 2154
02154 021540 GO TO HELI-SELECT-AC-SET. 02154 2155 0169 0330
02155 021550 HELI-START-READ. 02155 2156
02156 021560 READ HELI-LOAD-FILE AT END GO TO HELI-SELECT-NONE. 02156 2157
02157 021570 HELI-SELECT-AC-SET. 02157 2158 0137
02158 021580 IF AC-MOD IN AIRCRAFT-DATA = "C-130" 02158 2159 0085
02159 021590 MOVE 8 TO HELI-AC-SUB. 02159 2160 0363
02160 021600 IF AC-MOD IN AIRCRAFT-DATA = "C-141" 02160 2161 0095
02161 021610 MOVE 5 TO HELI-AC-SUB. 02161 2162 0363
02162 021620 IF AC-MOD IN AIRCRAFT-DATA = "C-5" OR "C-5A" 02162 2163 0085
02163 021630 MOVE 1 TO HELI-AC-SUB. 02163 2164 0363
02164 021640 MOVE 1 TO HELI-TYPE-SUB. 02164 2165 0348
02165 021650 HELI-SELECT-FIRST-LOAD. 02165 2166 0348
02166 021660 IF HELI-TYPE-SUB GREATER THAN 02166 2167
02167 021670 HELI-TYPE-REQUIRED GO TO HELI-SELECT-NONE. 02167 2168 0348
02168 021680 IF HELI-CNT (HELI-TYPE-SUB) GREATER THAN ZERO 02168 2169 0349
02169 021690 MOVE W-HELI-START-KEY (HELI-AC-SUB, HELI-TYPE-SUB) 02169 2170 0348
02170 021700 TO W-HELI-START-KEY 02170 2171 0333 0363 0348
02171 021710 GO TO HELI-SELECT-START. 02171 2172
02172 021720 ADD 1 TO HELI-TYPE-SUB. 02172 2173 0355
02173 021730 IF HELI-TYPE-SUB GREATER THAN 15 02173 2174 0348
02174 021740 GO TO HELI-SELECT-NONE. 02174 2175 0348
02175 021750 GO TO HELI-SELECT-FIRST-LOAD. 02175 2176
02176 021760 HELI-SELECT-START. 02176 2177
02177 021770 IF W-HELI-START-KEY = ZERO 02177 2178 0355
02178 021780 GO TO HELI-SELECT-NONE. 02178 2179 0355
02179 021790 PERFORM HELI-RECORD-SEARCH. 02179 2180
02180 021800 GO TO HELI-READ. 02180 2181
02181 021810 HELI-SELECT-SEARCH. 02181 2182
02182 021820 READ HELI-LOAD-FILE AT END 02182 2183
02183 021830 GO TO HELI-SELECT-NONE. 02183 2184 0137
02184 021840 HELI-READ. 02184 2185
02185 021850 IF HELI-AC-TYPE GREATER THAN HELI-AC-SUB 02185 2186
02186 021860 GO TO HELI-SELECT-NONE. 02186 2187 0146
02187 021870 IF HELI-LHT GREATER THAN HELI-TYPE-REQUIRED 02187 2188 0363
02188 021880 GO TO HELI-SELECT-NONE. 02188 2189 0147
02189 021890 IF HELI-QTY-LHT GREATER THAN HELI-CNT (HELI-LHT) 02189 2190 0349
02190 021900 GO TO HELI-SELECT-SEARCH. 02190 2191 0169 0343 0147
02191 021910 IF HELI-QTY-AMT GREATER THAN HELI-CNT (HELI-AMT) 02191 2192
02192 021920 GO TO HELI-SELECT-SEARCH. 02192 2193
02193 021930 IF HELI-LHT = HELI-TYPE-REQUIRED 02193 2194 0151 0343 0150
02194 021940 GO TO HELI-SELECT-FOUND. 02194 2195 0147
02195 021950 IF HELI-AMT = HELI-TYPE-REQUIRED 02195 2196 0349
02196 021960 GO TO HELI-SELECT-FOUND. 02196 2197 0150
02197 021970 GO TO HELI-SELECT-FOUND. 02197 2198 0349
02198 021980 GO TO HELI-SELECT-SEARCH. 02198 2199

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02199 Heli-SELECT-NONE.
02200 MOVE ZEROS TO LOAD-PLAN-HOLD.
02201 MOVE ZEROS TO HELI-PICK-TOTAL.
02202 MOVE ZEROS TO HELI-PICK-CNT.
02203 MOVE ZEROS TO HELI-POINTERS.
02204 MOVE ZEROS TO HELI-PASS-WT.
02205 MOVE ZEROS TO HELI-PAX-LOADED.
02206 DISPLAY " *** NO LOAD-PLAN FOR SINGLE HELI- "
02207 " AC-MOD = " AC-MOD IN AIRCRAFT-DATA.
02208
02209 LOAD HELI AS REGULAR CARGO CHANGE XCODE TO 1
02210
02211 MOVE START-KEY TO KEY-MFN.
02212 SEEK MASTER-FILE.
02213
02214 REPLACES "START" IN IBM 360 SYSTEM.
02215
02216 READ MASTER-FILE INVALID KEY
02217 DISPLAY " BAD HELI-START-KEY = " KEY-MFN
02218 GO TO HELI-SELECT-EXIT.
02219 MOVE 1 TO XCODE IN MASTER-RECORD
02220 MOVE START-KEY-HOLD TO START-KEY.
02221 GO TO SEL-ITEM-FOR-LOADING.
02222 HELI-SELECT-FOUND.
02223 MOVE HELI-LOAD-REC TO LOAD-PLAN-HOLD.
02224 HELI-SELECT-EXIT.
02225 EXIT.
02226 HELI-DELETE SECTION 15.
02227 HELI-DELETE-INITIALIZE.
02228 MOVE ZERO TO HELI-CNT-PK1.
02229 MOVE ZERO TO HELI-CNT-PK2.
02230 IF LOAD-PLAN-HOLD = ZEROS
02231 GO TO HELI-DELETE-EXIT.
02232 MOVE LOAD-PLAN-HOLD TO HELI-LOAD-REC.
02233 MOVE ZERO TO HELI-SUB.
02234 MOVE HELI-QTY-LHT TO LHT-QTY-DEC.
02235 MOVE HELI-QTY-AHT TO AHT-QTY-DEC.
02236 GO TO HELI-DELETE-INC.
02237 HELI-DELETE-START-MASTER.
02238 SEEK MASTER-FILE.
02239
02240 REPLACES "START" IN IBM 360 SYSTEM.
02241
02242 READ MASTER-FILE INVALID KEY
02243 DISPLAY " *** UNABLE TO READ MASTER-FILE *** "
02244 " KEY-MFN = " KEY-MFN
02245 GO TO HD-1-A.
02246
02247 DUMMY-PARAGRAPH.
02248
02249
02250 THIS PARAGRAPH NAME IS NEEDED TO GET
02251 OUT OF A PERFORM.
02252 GO TO HD-5.
02253
02254 HD-1-A.
02255 MOVE 0 TO ART.
02256

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02256 022560 HD-1-B.
02257 022570 ADD 1 TO ART.
02258 022580 IF ART GREATER THAN 101 DISPLAY
02259 022590 * STILL CAN NOT READ IT = GO TO HD-1.
02260 022600 MOVE KEY-MFN TO MFN-C.
02261 022610 MOVE MFN-C TO KEY-MFN.
02262 022620 SEEK MASTER-FILE.
02263 022630 READ MASTER-FILE INVALID KEY
02264 022640 * WE TRIED IT LIKE THIS = KEY-MFN
02265 022650 GO TO HD-1-B.
02266 022660 DISPLAY = THIS WORKS = KEY-MFN.
02267 022670 GO TO HD-5.
02268 022680
02269 022690 HD-1.
02270 022700 MOVE 0 TO ART.
02271 022710 MOVE START-KEY TO KEY-MFN.
02272 022720 DISPLAY = TRY START KEY AT POINT A = KEY-MFN.
02273 022730 HD-2.
02274 022740 SEEK MASTER-FILE.
02275 022750 READ MASTER-FILE INVALID KEY GO TO HD-4.
02276 022760 GO TO HD-5.
02277 022770 HD-4.
02278 022780 ADD 1 TO ART.
02279 022790 IF ART GREATER THAN 100 DISPLAY = CAN NOT DO IT = GO TO
02280 022800 CLOSE-SHOP.
02281 022810 ADD 1 TO KEY-MFN.
02282 022820 DISPLAY = LET US TRY THIS NUMBER = KEY-MFN.
02283 022830 GO TO HD-2.
02284 022840 HD-5.
02285 022850 HELI-DELETE-INC.
02286 022860 ADD 1 TO HELI-SUB.
02287 022870 IF HELI-SUB GREATER THAN HELI-PICK-TOTAL
02288 022880 MOVE 0 TO HELI-SUB
02289 022890 SUB1
02290 022900 SUB2
02291 022910
02292 022920 GO TO HELI-DELETE-SET-PMTRS.
02293 022930 MOVE XCIDE IN HELI-LOAD (HELI-SUB) TO HELI-TYPE-SUB.
02294 022940 IF HELI-TYPE-SUB (HELI-TYPE-SUB) TO HELI-TYPE-REQUIRED.
02295 022950 GO TO HELI-DELETE-LHT.
02296 022960 IF HELI-TYPE-REQUIRED = HELI-AHT
02297 022970 GO TO HELI-DELETE-AHT.
02298 022980 GO TO HELI-DELETE-INC.
02299 022990 HELI-DELETE-LHT.
02300 023000 IF LHT-QTY-DEC NOT GREATER THAN ZERO
02301 023010 GO TO HELI-DELETE-INC.
02302 023020 SUBTRACT 1 FROM LHT-QTY-DEC.
02303 023030 GO TO HELI-DELETE-FLAG-MASTER.
02304 023040 HELI-DELETE-AHT.
02305 023050 IF AHT-QTY-DEC NOT GREATER THAN ZERO
02306 023060 GO TO HELI-DELETE-INC.
02307 023070 SUBTRACT 1 FROM AHT-QTY-DEC.
02308 023080 GO TO HELI-DELETE-FLAG-MASTER.
02309 023090 HELI-DELETE-FLAG-MASTER.
02310 023100 MOVE HELI-KEY (HELI-SUB) TO KEY-MFN.
02311 023110 PERFORM HELI-DELETE-START-MASTER.
02312 023120

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02299100 2300
02300100 2301
02301100 2302 0350
02302100 2303
02303100 2304 0350
02304100 2305
02305100 2306
02306100 2307 0351
02307100 2308
02308100 2309 0351
02309100 2310
02310100 2311
02311100 2312 0473 0338 0253
02312100 2313

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02313 023130 IF SIZE-CODE IN MASTER-RECORD = "D".
02314 023140 COMPUTE TOCMU (PR-NU IN MASTER-RECORD) -
02315 023150 TOCMU (PR-NU IN MASTER-RECORD) - WT IN MASTER-RECORD.
02316 023160 COMPUTE OUT-MAX = OUT-MAX - 1.
02317 023170 COMPUTE TDCW = TDCW - WT IN MASTER-RECORD
02318 023180 COMPUTE OUT-LOADED = OUT-LOADED + 1.
02319 023190 IF SIZE-CODE IN MASTER-RECORD LESS THAN "D".
02320 023200 COMPUTE EQUIP-MAX = EQUIP-MAX - 1.
02321 023210 COMPUTE EQUIP-LOADED = EQUIP-LOADED + 1.
02322 023220 MOVE VRN IN MASTER-RECORD TO VRN-HOLD.
02323 023230 MOVE "X" TO SIZE-CODE IN MASTER-RECORD.
02324 023240 MOVE "X" TO LOAD-IND IN HELI-LOAD (HELI-SUB).
02325 023250 MOVE HELI-TYPE-REQUIRED TO XCODE IN HELI-LOAD (HELI-SUB).
02326 023260 REWRITE MASTER-RECORD
02327 023270 INVALID KEY GO TO INVALID-KEY-REWRITE.
02328 023280 PERFORM HELI-DELETE-FIND-PASS THRU
02329 023290 HELI-DELETE-F-P-EXIT.
02330 023300 GO TO HELI-DELETE-INC.
02331 023310 HELI-DELETE-FIND-PASS.
02332 023320 READ MASTER-FILE AT-END
02333 023330 MOVE HELI-KEY (HELI-SUB) TO KEY-MFN
02334 023340 PERFORM HELI-DELETE-START-MASTER
02335 023350 GO TO HELI-DELETE-F-P-EXIT.
02336 023360 IF VRN IN MASTER-RECORD NOT = VRN-HOLD
02337 023370 GO TO HELI-DELETE-F-P-EXIT.
02338 023380 IF SIZE-CODE IN MASTER-RECORD = "M"
02339 023390 GO TO HELI-DELETE-F-P-EXIT.
02340 023400 CHECK FOR NOT PX
02341 023410 IF XCODE IN MASTER-RECORD NOT = 2
02342 023420 GO TO HELI-DELETE-FIND-PASS.
02343 023430 IF HELI-PAX-LOADED NOT LESS THAN PAX-MAX
02344 023440 GO TO HELI-DELETE-PAX-MAX.
02345 023450 IF J = 100
02346 023460 DISPLAY " *** REQUIRED PAX EXCEEDS 120 ***"
02347 023470 GO TO HELI-DELETE-PAX-MAX.
02348 023480 COMPUTE J = J + 1.
02349 023490 MOVE MASTER-RECORD TO PASS-LOAD (J).
02350 023500 MOVE "9" TO SIZE-CODE IN MASTER-RECORD
02351 023510 MOVE "9" TO SIZE-CODE IN PASS-LOAD (J).
02352 023520 ADD WT IN MASTER-RECORD TO HELI-PASS-WT.
02353 023530 ADD 1 TO HELI-PAX-LOADED.
02354 023540 COMPUTE PASS-MAX = PASS-MAX - 1.
02355 023550 COMPUTE PASS-LOADED = PASS-LOADED + 1.
02356 023560 REWRITE MASTER-RECORD
02357 023570 INVALID KEY GO TO INVALID-KEY-REWRITE.
02358 023580 GO TO HELI-DELETE-FIND-PASS.
02359 023590 HELI-DELETE-PAX-MAX.
02360 023600 ADD 1 TO R-PAX-NOT-LOADED.
02361 023610 MOVE "99" TO R-FLAG IN MASTER-RECORD.
02362 023620 MOVE MD-PLANE TO R-CLK-NU.
02363 023630 REWRITE MASTER-RECORD
02364 023640 INVALID KEY GO TO INVALID-KEY-REWRITE.
02365 023650 GO TO HELI-DELETE-FIND-PASS.
02366 023660 HELI-DELETE-F-P-EXIT.
02367 023670 EXIT.
02368 023680 HELI-DELETE-SET-PNTRS.
02369 023690 ADD 1 TO Z

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02313LOAD 2314 0122
02314LOAD 2315 0411 0117
02315LOAD 2316 0411 0117
02316LOAD 2317 0132 0643
02317LOAD 2318 0301 0301
02318LOAD 2319 0132 0644
02319LOAD 2320 0122
02320LOAD 2321 0640 0640
02321LOAD 2322 0641 0641
02322LOAD 2323 0116 0352
02323LOAD 2324 0122
02324LOAD 2325 0681 0338
02325LOAD 2326 0349 0483 0338
02326LOAD 2327
02327LOAD 2328 0109
02328LOAD 2329
02329LOAD 2330
02330LOAD 2331
02331LOAD 2332
02332LOAD 2333 0103
02333LOAD 2334 0473 0338
02334LOAD 2335 0253
02335LOAD 2336
02336LOAD 2337 0116
02337LOAD 2338 0352
02338LOAD 2339 0122
02339LOAD 2340
02340LOAD 2341
02341LOAD 2342 0130
02342LOAD 2343
02343LOAD 2344 0360
02344LOAD 2345 0215
02345LOAD 2346 0241
02346LOAD 2347
02347LOAD 2348
02348LOAD 2349 0241 0241
02349LOAD 2350 0109 0447 0241
02350LOAD 2351
02351LOAD 2352 0122 0456 0241
02352LOAD 2353 0132 0359
02353LOAD 2354 0360
02354LOAD 2355 0646 0646
02355LOAD 2356 0647 0647
02356LOAD 2357
02357LOAD 2358 0109
02358LOAD 2359
02359LOAD 2360
02360LOAD 2361 0216
02361LOAD 2362 0120
02362LOAD 2363 0238 0121
02363LOAD 2364
02364LOAD 2365 0109
02365LOAD 2366
02366LOAD 2367
02367LOAD 2368
02368LOAD 2369
02369LOAD 2370

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02370	023700	IF Z GREATER THAN 16	023700	2371	0246	0246
02371	023710	GO TO HELI-DELETE-EXIT.	023710	2372		
02372	023720	HELI-DELETE-SET-PNTKS-1.	023720	2373		
02373	023730	ADD 1 TO HELI-SUB.	023730	2374	0338	
02374	023740	IF HELI-SUB GREATER THAN HELI-PICK-TOTAL	023740	2375	0338	
02375	023750	MOVE 0 TO HELI-SUB	023750	2376	0341	
02376	023760	GO TO HELI-DELETE-SET-PNTKS.	023760	2377	0338	
02377	023770	IF LOAD-IND IN HELI-LOAD (HELI-SUB) = MAX	023770	2378	0481	0338
02378	023780	GO TO HELI-DELETE-SET-PNTKS-1.	023780	2379		
02379	023790	IF LOAD-IND IN HELI-LOAD (HELI-SUB) NOT = "X"	023790	2380	0481	0338
02380	023800	GO TO HELI-DELETE-SET-PNTKS-1.	023800	2381		
02381	023810	IF XCODE IN HELI-LOAD (HELI-SUB) NOT = HELI-TYPE (Z)	023810	2382	0483	0338
02382	023820	GO TO HELI-DELETE-SET-PNTKS-1.	023820	2383		
02383	023830	MOVE MAX TO LOAD-IND IN HELI-LOAD (HELI-SUB).	023830	2384	0481	0338
02384	023840	MOVE HELI-PKG-NO (Z) TO SUB1.	023840	2385	0163	0246
02385	023850	IF HELI-PKG-NO (Z) = 1	023850	2386	0163	0246
02386	023860	ADD 1 TO HELI-CNT-PK1.	023860	2387	0364	
02387	023870	IF HELI-PKG-NO (Z) = 2	023870	2388	0163	0246
02388	023880	ADD 1 TO HELI-CNT-PK2.	023880	2389	0365	
02389	023890	ADD 1 TO SUB2.	023890	2390	0357	
02390	023900	MOVE HELI-SUB TO HELI-PNTR (SUB2).	023900	2391	0338	0406
02391	023910	MOVE WT IN HELI-LOAD (HELI-SUB) TO HELI-WT (SUB1, SUB2).	023910	2392	0485	0338
02392	023920	COMPUTE HELI-GROSS = HELI-GROSS * WT IN HELI-LOAD	023920	2393	0361	0361
02393	023930	(HELI-SUB).	023930	2394	0435	0338
02394	023940	MOVE 0 TO HELI-SUB.	023940	2395	0338	
02395	023950	GO TO HELI-DELETE-SET-PNTKS.	023950	2396		
02396	023960	HELI-DELETE-EXIT.	023960	2397		
02397	023970	EXIT.	023970	2398		
02398	023980	HELI-POSITION-MASTER SECTION 15.	023980	2399		
02399	023990	HELI-POSITION-MASTER-PARA.	023990	2400		
02400	024000	MOVE START-KEY TO KEY-MFN.	024000	2401	0254	0253
02401	024010	MOVE START-KEY-MOLD TO START-KEY.	024010	2402	0339	0254
02402	024020	HELI-P-M-EXIT.	024020	2403		
02403	024030	THIS IS AN ATTEMPT TO REDUCE THE AMOUNT OF MAIN MEMORY	024030	2404		
02404	024040	THAT IS USED IN THE IBM 360 BY THE AMPS PROGRAM.	024040	2405		
02405	024050	PASS-PICK. SECTION 17.	024050	2406		
02406	024060	COMPUTE NUMBER OF PASSENGERS	024060	2407		
02407	024070	IF ALL-PASS-FLG = 1 MOVE PAX-MAX TO PASS-CO	024070	2408		
02408	024080	PERFORM FND-REQ-PASS THRU REQ-PASS-FND-EXIT	024080	2409		
02409	024090	GO TO GET-ANOTHER-PASS.	024090	2410		
02410	024100	PASS-PICK-SECTION-15.	024100	2411		
02411	024110	IF ALL-PASS-FLG = 1 MOVE PAX-MAX TO PASS-CO	024110	2412	0188	0215
02412	024120	PERFORM FND-REQ-PASS THRU REQ-PASS-FND-EXIT	024120	2413	0199	
02413	024130	GO TO GET-ANOTHER-PASS.	024130	2414		
02414	024140	COMPUTE NUMBER OF PASSENGERS	024140	2415		
02415	024150	MOVE 1 TO INX.	024150	2416		
02416	024160	MOVE HELI-PASS-WT TO PASS-WT.	024160	2417		
02417	024170	MOVE HELI-PAX-LOADED TO PAX-LOADED.	024170	2418		
02418	024180	MOVE 0 TO MAX-PASS-CO PASS-CO OCCURS NO-REQ-PASS.	024180	2419	0359	0223
02419	024190	MOVE ZEROS TO GROSS MOMENT AREA.	024190	2420	0360	0214
02420	024200	MOVE 1 TO INX.	024200	2421	0198	0199
02421	024210	PERFORM CALC-MOMENT NO-LOADED TIMES.	024210	2422	0228	0229
02422	024220	IF GROSS = 0 MOVE 1 TO GROSS.	024220	2423		
02423	024230	COMPUTE C6STAND-ROUNDED = MOMENT / GROSS.	024230	2424	0228	
02424	024240	IF C6STAND = 0 MOVE PLANNING-CO TO C6STAND.	024240	2425	0220	0228
02425	024250		024250	2426	0220	0229
02426	024260		024260	2427	0220	0229

LDAMP

024270	PERFORM FINO-FOR-AFT-MOST THRU FINO-FOR-AFT-EXIT.	024270	024270
024271	IF VAR-HEIGHTS NOT = 0	024271	024271
024272	MOVE PAX-MAX TO MAX-PASS-GO GO TO NO-SEARCH-SPACE.	024272	024272
024273	COMPUTE HALF-TIE-Y = TIE-Y / 2 + SHIFT-Y.	024273	024273
024274		024274	024274
024275	SHIFT 141 & 130 BEFORE PASSENGER SEARCH	024275	024275
024276		024276	024276
024277	FINAL-SHIP.	024277	024277
024278		024278	024278
024279	IF ALL-PALLET-FLG = 1 GO TO FINAL-SHIP-EXIT.	024279	024279
024280	IF CGSTAND LESS THAN PLANNING-CG GO TO FINAL-AFT.	024280	024280
024281	IF CGSTAND GREATER THAN PLANNING-CG GO TO FINAL-FWD.	024281	024281
024282		024282	024282
024283	EQUAL NO SHIFT	024283	024283
024284		024284	024284
024285	GO TO FINAL-SHIP-EXIT.	024285	024285
024286		024286	024286
024287	FINAL-AFT.	024287	024287
024288	IF MOST-AFT GREATER THAN AFT-STA	024288	024288
024289	MOVE 0 TO SHIFT ELSE	024289	024289
024290	COMPUTE SHIFT = AFT-STA - MOST-AFT.	024290	024290
024291	COMPUTE TEMP-WORK = PLANNING-CG - CGSTAND.	024291	024291
024292	IF TEMP-WORK GREATER THAN SHIFT NEXT SENTENCE ELSE	024292	024292
024293	MOVE TEMP-WORK TO SHIFT.	024293	024293
024294	COMPUTE SHIFT = SHIFT - 1.	024294	024294
024295	PERFORM SHIFT-IT THRU SHIFT-IT-EXIT VARYING I FROM 1 BY 1	024295	024295
024296	UNTIL I GREATER NO-LOADED.	024296	024296
024297	GO TO FINAL-SHIP-EXIT.	024297	024297
024298		024298	024298
024299	FINAL-FWD.	024299	024299
024300	IF MOST-FWD LESS THAN FWD-STA	024300	024300
024301	MOVE 0 TO SHIFT ELSE	024301	024301
024302	COMPUTE SHIFT = MOST-FWD - FWD-STA.	024302	024302
024303	COMPUTE TEMP-WORK = CGSTAND - PLANNING-CG.	024303	024303
024304	IF TEMP-WORK GREATER THAN SHIFT NEXT SENTENCE ELSE	024304	024304
024305	MOVE TEMP-WORK TO SHIFT.	024305	024305
024306	COMPUTE SHIFT = SHIFT - 1.	024306	024306
024307	PERFORM SHIFT-IT THRU SHIFT-IT-EXIT VARYING I FROM 1 BY 1	024307	024307
024308	UNTIL I GREATER NO-LOADED.	024308	024308
024309	FINAL-SHIP-EXIT.	024309	024309
024310	IF LOFT = 0 GO TO SET-C130.	024310	024310
024311		024311	024311
024312	C141	024312	024312
024313	MOVE 1198 TO MAX-AFT.	024313	024313
024314	MOVE 518 TO FORWARD-X.	024314	024314
024315	MOVE 558 TO AFT-X.	024315	024315
024316	PERFORM FINO-PASS-GO THRU FINO-PASS-EXIT.	024316	024316
024317	GO TO NO-SEARCH-SPACE.	024317	024317
024318	SET-C130.	024318	024318
024319	MOVE 457 TO MAX-AFT.	024319	024319
024320	MOVE 257 TO FORWARD-X.	024320	024320
024321	MOVE 297 TO AFT-X.	024321	024321
024322	PERFORM FINO-PASS-GO THRU FINO-PASS-EXIT.	024322	024322
024323	MOVE 477 TO MAX-AFT.	024323	024323
024324	MOVE 457 TO FORWARD-X.	024324	024324
024325	MOVE 477 TO AFT-X.	024325	024325
024326	PERFORM FINO-PASS-GO THRU FINO-PASS-EXIT.	024326	024326
024327	MOVE 697 TO MAX-AFT.	024327	024327
024328		024328	024328
024329		024329	024329
024330		024330	024330
024331		024331	024331
024332		024332	024332
024333		024333	024333
024334		024334	024334
024335		024335	024335
024336		024336	024336
024337		024337	024337
024338		024338	024338
024339		024339	024339
024340		024340	024340
024341		024341	024341
024342		024342	024342
024343		024343	024343
024344		024344	024344
024345		024345	024345
024346		024346	024346
024347		024347	024347
024348		024348	024348
024349		024349	024349
024350		024350	024350
024351		024351	



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02484 MOVE 617 TO FORWARD-X.
02485 MOVE 657 TO AFT-X.
02486 PERFORM FIND-PASS-GO THRU FIND-PASS-EXIT.
02487 NO-SEARCH-SPACE.
02488 PERFORM PASS-WT-CK THRU REQ-PASS-FND-EXIT.
02489 IF PASS-GO GREATER THAN PAX-MAX
02490 MOVE PAX-MAX TO PASS-GO.
02491 IF PASS-GO LESS THAN 2 MOVE-2 TO PASS-GO.
02492 IF THERE IS ROOM FOR MORE PASSENGERS TAKE THEM FROM AVAILABLE
02493 PASSENGER LIST
02494 GET-ANOTHER-PASS.
02495 IF NO-REQ-PASS-LESS-THAN-PASS-GO
02496 NEXT SENTENCE
02497 ELSE GO TO FIN-PASS.
02498 IF ALL-PASS-FLG NOT = 1
02499 AND NO-PASS-LESS-THAN-PAX-MAX
02500 NEXT SENTENCE
02501 ELSE
02502 IF ALL-PASS-FLG = 1
02503 NEXT SENTENCE
02504 ELSE
02505 IF NO-PASS-LESS-THAN-PAX-MAX
02506 NEXT SENTENCE
02507 IF NO-PASS-LESS-THAN-PAX-MAX
02508 NEXT SENTENCE
02509 GO TO FIN-PASS.
02510 COMPUTE TEMP-WORK = PASS-GO - NO-REQ-PASS.
02511 IF PAX-LOADED = TEMP-WORK
02512 GO TO FIN-PASS.
02513 IF PASS-EDF = HIGH-VALUE GO TO FIN-PASS.
02514 IF PASS-ALRDY-RD-NEXT SENTENCE
02515 ELSE
02516 READ AVAIL-PASS-FILE AT END MOVE HIGH-VALUE TO PASS-EDF
02517 GO TO FIN-PASS.
02518 IF NO-PASS GREATER THAN 150
02519 DISPLAY = CANNOT GET ANY MORE THAN 150 ON THIS PLANE =
02520 MOVE HIGH-VALUE TO PASS-RD-FLG
02521 GO TO FIN-PASS.
02522 IF FGEN = HIGH-VALUE OR AC-NO IN AIRCRAFT-DATA = SPACES
02523 NEXT SENTENCE
02524 IF AC-PRI GREATER THAN INTEG-NUMB
02525 AND F-INTEG = HIGH-VALUE
02526 MOVE LOW-VALUE TO PASS-RD-FLG
02527 GO TO GET-ANOTHER-PASS.
02528 IF F-INTEG = LOW-VALUE
02529 NEXT SENTENCE
02530 IF AC-PRI = INTEG-NUMB
02531 OR AC-NO IN AIRCRAFT-DATA = SPACES
02532 NEXT SENTENCE
02533 ELSE
02534 MOVE HIGH-VALUE TO PASS-RD-FLG
02535 GO TO FIN-PASS.
02536 MOVE AVAIL-PASS-REC TO MASTER-RECORD.
02537 IF PR-NO IN MASTER-RECORD GREATER THAN INTEG-NUMB
02538
02484 LOAD 2485 0281
02485 LOAD 2486 0282
02486 LOAD 2487
02487 LOAD 2488
02488 LOAD 2489
02489 LOAD 2490 0199
02490 LOAD 2491 0215 0199
02491 LOAD 2492 0199 0199
02492 LOAD 2493
02493 LOAD 2494
02494 LOAD 2495
02495 LOAD 2496
02496 LOAD 2497
02497 LOAD 2498 0201
02498 LOAD 2499 0199
02499 LOAD 2500
02500 LOAD 2501 0188
02501 LOAD 2502 0213
02502 LOAD 2503 0215
02503 LOAD 2504
02504 LOAD 2505 0188
02505 LOAD 2506
02506 LOAD 2507
02507 LOAD 2508 0213
02508 LOAD 2509 0215
02509 LOAD 2510
02510 LOAD 2511
02511 LOAD 2512 0262 0199 0201
02512 LOAD 2513 0214
02513 LOAD 2514 0262
02514 LOAD 2515 0202
02515 LOAD 2516 0197
02516 LOAD 2517
02517 LOAD 2518 0040
02518 LOAD 2519 0202
02519 LOAD 2520 0213
02520 LOAD 2521
02521 LOAD 2522
02522 LOAD 2523 0196
02523 LOAD 2524 0590 0086
02524 LOAD 2525
02525 LOAD 2526
02526 LOAD 2527 0100
02527 LOAD 2528 0218 0589
02528 LOAD 2529
02529 LOAD 2530 0196
02530 LOAD 2531 0589
02531 LOAD 2532
02532 LOAD 2533
02533 LOAD 2534 0100
02534 LOAD 2535 0218 0086
02535 LOAD 2536
02536 LOAD 2537
02537 LOAD 2538
02538 LOAD 2539 0196
02539 LOAD 2540 0046 0109
02540 LOAD 2541 0117

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025410	AND FINTEG = HIGH-VALUE MOVE HIGH-VALUE TO PASS-RD-FLG	025410AD	2542	0218	0589
025420	MOVE " " TO FLUSH-PASS	025420AD	2543	0196	
025430	GO TO FIN-PASS.	025430AD	2544	0302	
025440	ADD 1 TO NO-PASS.	025440AD	2545	0213	
025450	COMPUTE TEMP-WORK = PASS-GO - NO-REQ-PASS.	025450AD	2546	0262	0199 0201
025460	IF PAX-LOADED LESS THAN TEMP-WORK	025460AD	2547	0214	
025470	ADD 1 TO PAX-LOADED	025470AD	2548	0262	
025480	ADD 1 TO PASS-LOADED	025480AD	2549	0214	
025490	SUBTRACT 1 FROM PASS-MAX	025490AD	2550	0647	
025500	ADD WT IN MASTER-RECORD TO PASS-WT	025500AD	2551	0646	0132
025510	MOVE AVAIL-PASS-REC TO PASS-LOAD (NO-PASS)	025510AD	2552	0223	0046 0447 0213
025520	MOVE LOW-VALUE TO PASS-RD-FLG	025520AD	2553		
025530	MOVE " " TO SIZE-CODE IN PASS-LOAD (NO-PASS)	025530AD	2554	0196	0456 0213
025540	GO TO GET-ANOTHER-PASS.	025540AD	2555		
025550	MOVE HIGH-VALUE TO PASS-RD-FLG.	025550AD	2556	0196	
025560	GO TO FIN-PASS.	025560AD	2557		
025570	FIND-PASS-GO.	025570AD	2558		
025580	MOVE 0 TO RIGHT-Y.	025580AD	2559	0283	
025590	COMPUTE LEFT-Y = RIGHT-Y + 26.	025590AD	2560	0284	0283
025600	ZERO-INX.	025600AD	2561		
025610	MOVE 0 TO INX.	025610AD	2562	0267	
025620	NXT-LOC.	025620AD	2563		
025630	ADD 1 TO INX.	025630AD	2564	0267	
025640	IF INX GREATER THAN NO-LOADED GO TO CK-MAX-AFT.	025640AD	2565	0267	0217
025650	MOVE ITEM-NO IN LOKATION (INX) TO IND.	025650AD	2566	0462	0267 0266
025660	COMPUTE HALF-TIE-X =	025660AD	2567	0268	
025670	(X-AFT IN LOKATION (INX) - X-FORWARD IN LOKATION (INX) - LTH IN EQUIP-LOAD (IND)) / 2.	025670AD	2568	0464	0267 0643
025680	COMPUTE HALF-TIE-Y =	025680AD	2569	0267	0440 0266
025690	(Y-LEFT IN LOKATION (INX) - Y-RIGHT IN LOKATION (INX) - NTH IN EQUIP-LOAD (IND)) / 2.	025690AD	2570	0269	
025700	COMPUTE TEMP-WORK = X-AFT IN LOKATION (INX) - HALF-TIE-X.	025700AD	2571	0468	0267 0467
025710	IF FORWARD-X NOT LESS THAN TEMP-WORK GO TO NXT-LOC.	025710AD	2572	0267	0441 0266
025720	CK-LOC.	025720AD	2573	0262	0464 0267 0268
025730	COMPUTE TEMP-WORK = X-FORWARD IN LOKATION (INX) + HALF-TIE-X.	025730AD	2574	0281	0262
025740	IF AFT-X NOT GREATER THAN TEMP-WORK GO TO NXT-LOC.	025740AD	2575	0262	0463 0267 0269
025750	CHECK WIDTH	025750AD	2576	0282	0262
025760	IF RIGHT-Y = 0	025760AD	2577		
025770	COMPUTE TEMP-WORK = Y-RIGHT IN LOKATION (INX) + HALF-TIE-Y	025770AD	2578		
025780	ELSE	025780AD	2579		
025790	COMPUTE TEMP-WORK = Y-LEFT IN LOKATION (INX) - HALF-TIE-Y.	025790AD	2580		
025800	IF RIGHT-Y NOT = 0 GO TO CK-LEFT-SIDE.	025800AD	2581		
025810	RIGHT SIDE CHECK	025810AD	2582		
025820	IF LEFT-Y NOT GREATER THAN TEMP-WORK GO TO NXT-LOC.	025820AD	2583		
025830	WILL NOT FIT RIGHT SIDE --- TRY LEFT SIDE	025830AD	2584		
025840	SET-UP-LEFT.	025840AD	2585		
025850	MOVE AC-WTH TO LEFT-Y.	025850AD	2586		
025860	COMPUTE RIGHT-Y = LEFT-Y - 26.	025860AD	2587		
025870		025870AD	2588		
025880		025880AD	2589	0284	0262
025890		025890AD	2590		
025900		025900AD	2591		
025910		025910AD	2592		
025920		025920AD	2593		
025930		025930AD	2594		
025940		025940AD	2595		
025950		025950AD	2596		
025960		025960AD	2597	0926	0284
025970		025970AD	2598	0283	0284
025980		025980AD	2599		
025990		025990AD	2600		

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02598      GO TO ZERO-INV.
02599      CK-LEFT-SIDE.
02600      LEFT SIDE CHECK
02601      IF RIGHT-Y NOT LESS THAN TEMP-WORK  GO TO NXT-LOC.
02602      WILL NOT FIT LEFT SIDE --- ADD 40 INCHES AND TRY RIGHT SIDE
02603      SET-UP-RIGHT.
02604      ADD 40 TO FORWARD-X.
02605      ADD 40 TO AFT-X.
02606      GO TO FIND-PASS-GO.
02607      CK-MAX-AFT.
02608      IF AFT-X GREATER THAN MAX-AFT GO TO SIDE-EXIT.
02609      ADD 1 TO PASS-OCCURS.
02610      MOVE FORWARD-X TO PFFS (PASS-OCCURS).
02611      MOVE AFT-X TO PAFS (PASS-OCCURS).
02612      COMPUTE TEMP-WORK = AFT-X - FORWARD-X.
02613      IF TEMP-WORK = 40 ADD 2 TO MAX-PASS-GO
02614      MOVE 2 TO PPMD (PASS-OCCURS)
02615      ELSE
02616      ADD 1 TO MAX-PASS-GO
02617      MOVE 1 TO PPMD (PASS-OCCURS)
02618      IF RIGHT-Y = 0 GO TO SET-UP-LEFT.
02619      GO TO SET-UP-RIGHT.
02620      SIDE-EXIT.
02621      IF RIGHT-Y = 1 GO TO SET-UP-LEFT.
02622      FIND-PASS-EXIT.
02623      EXIT.
02624      PASS-WT-CK.
02625      IF MAX-PASS-GO = 0 GO TO NO-CK-MOMENT.
02626      COMPUTE TEMP-GROSS = GROSS * HELI-PASS-WT.
02627      COMPUTE TEMP-GROSS = TEMP-GROSS * (MAX-PASS-GO * PAX-WT).
02628      IF TEMP-GROSS GREATER THAN ALM-WT IN AIRCRAFT-DATA
02629      COMPUTE MAX-PASS-GO = MAX-PASS-GO - 1
02630      GO TO PASS-WT-CK.
02631      NO-CK-MOMENT.
02632      MOVE MAX-PASS-GO TO PASS-GO.
02633      IF VAR-HEIGHTS NOT = 1 GO TO FND-REQ-PASS.
02634      DETERMINE IF CAN BALANCE WITH MAX PASSENGERS
02635      IF NOT REDUCE MAX-PAX BY 1 UNTIL CAN BE BALANCED
02636      COMPUTE TEMP-MOMENT = MOMENT * (MAX-PASS-GO * PAX-WT * 174.1).
02637      COMPUTE TEMP-GROSS =
02638      GROSS * HELI-PASS-WT + (MAX-PASS-GO * PAX-WT).
02639      NO-CK-MOMENT-1.
02640      IF MAX-PASS-GO = 0 MOVE MAX-PASS-GO TO PASS-GO
02641      GO TO FND-REQ-PASS.
02642      COMPUTE LCG = TEMP-MOMENT / TEMP-GROSS.
02643      MOVE 1150 TO DESIRED-CG.
02644      IF TEMP-GROSS GREATER THAN 79999 MOVE 1240 TO DESIRED-CG.
02645      IF TEMP-GROSS GREATER THAN 120000 MOVE 1285 TO DESIRED-CG.
02598LOAD 2599
02599LOAD 2600
02600LOAD 2601
02601LOAD 2602
02602LOAD 2603
02603LOAD 2604
02604LOAD 2605
02605LOAD 2606
02606LOAD 2607
02607LOAD 2608
02608LOAD 2609
02609LOAD 2610
02610LOAD 2611
02611LOAD 2612
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02639LOAD 2640
02640LOAD 2641
02641LOAD 2642
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02648LOAD 2649
02649LOAD 2650
02650LOAD 2651
02651LOAD 2652
02652LOAD 2653
02653LOAD 2654
02654LOAD 2655
02598 0283 0262
02599 0283 0262
02600 0283 0262
02601 0283 0262
02602 0283 0262
02603 0283 0262
02604 0283 0262
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02609 0283 0262
02610 0283 0262
02611 0283 0262
02612 0283 0262
02613 0283 0262
02614 0283 0262
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02616 0283 0262
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02653 0283 0262
02654 0283 0262

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02655	IF TEMP-GROSS GREATER THAN 200000 MOVE 1310 TO DESIRED-CG.	02655LOAD	2656	0231	0930
02656	COMPUTE RANGE-X = DESIRED-CG - LCG.	02656LOAD	2657	0270	0930 0239
02657	IF RANGE-X LESS THAN 0 COMPUTE RANGE-X = RANGE-X * -1.	02657LOAD	2658	0270	0270 0270
02658	IF LCG LESS THAN DESIRED-CG	02658LOAD	2659	0239	
02659	COMPUTE X-ROOM = AFT-STA - MOST-AFT	02659LOAD	2660	0930	0271 0192
02660	COMPUTE X-ROOM = MOST-FWD - FWD-STA.	02660LOAD	2661	0194	0271 0193 0191
02661	IF (LCG LESS THAN DESIRED-CG - 40) OR	02661LOAD	2662	0239	0930
02662	GREATER THAN DESIRED-CG - 40) AND	02662LOAD	2663	0930	
02663	X-ROOM LESS THAN RANGE-X	02663LOAD	2664	0271	
02664	SUBTRACT 1 FROM MAX-PASS-GO	02664LOAD	2665	0270	
02665	SUBTRACT PAX-WT FROM TEMP-GROSS	02665LOAD	2666	0198	0520
02666	COMPUTE TEMP-MOMENT = TEMP-MOMENT - (PAX-WT * 1741)	02666LOAD	2667	0231	0230 0230 0520
02667	GO TO NO-CK-MOMENT-1.	02667LOAD	2668		
02668	MOVE MAX-PASS-GO TO PASS-GO.	02668LOAD	2669	0198	0199
02669	FND-REQ-PASS.	02669LOAD	2670		
02670	LOOP THRU LOCATION AND FIND EQUIP WHICH HAS PASS BUMPER	02670LOAD	2671		
02671	MOVE 0 TO NO-REQ-PASS.	02671LOAD	2672		
02672	MOVE 0 TO INX.	02672LOAD	2673		
02673	ADD 1 TO INX.	02673LOAD	2674	0201	
02674	IF INX GREATER THAN NO-LOADED GO TO CK-FOR-BY-PASSED.	02674LOAD	2675		
02675	MOVE ITEM-NO IN LOCATION (INX) TO J.	02675LOAD	2676	0267	
02676	GO TO PASS-LOOPI.	02676LOAD	2677		
02677	ADD 1 TO INX.	02677LOAD	2678	0267	
02678	IF INX GREATER THAN NO-PASS GO TO EOP-LOOPI.	02678LOAD	2679	0267	0217
02679	IF VRN IN EQUIP-LOAD (J) = VRN IN PASS-LOAD (PASS-INX)	02679LOAD	2680	0462	0267 0241
02680	GO TO PASS-LOOPI.	02680LOAD	2681		
02681	ADD 1 TO NO-REQ-PASS.	02681LOAD	2682	0298	
02682	GO TO PASS-LOOPI.	02682LOAD	2683		
02683	IF PASS-INX GREATER THAN NO-PASS GO TO EOP-LOOPI.	02683LOAD	2684	0298	
02684	IF VRN IN EQUIP-LOAD (J) = VRN IN PASS-LOAD (PASS-INX)	02684LOAD	2685	0298	0213
02685	GO TO PASS-LOOPI.	02685LOAD	2686	0431	0241 0452 0298
02686	ADD 1 TO NO-REQ-PASS.	02686LOAD	2687	0201	
02687	GO TO PASS-LOOPI.	02687LOAD	2688		
02688	CK-FOR-BY-PASSED.	02688LOAD	2689		
02689	IF ROOM	02689LOAD	2690		
02690	IF NO-REQ-PASS NOT LESS THAN PASS-GO GO TO REQ-PASS-FND-EX II.	02690LOAD	2691		
02691	BY PASSED PASSENGERS MUST BE TAKEN	02691LOAD	2692	0201	0199
02692	COMPUTE TEMP-WORK = PASS-GO - NO-REQ-PASS.	02692LOAD	2693		
02693	MOVE 0 TO PASS-INX.	02693LOAD	2694		
02694	ADD 1 TO PASS-INX.	02694LOAD	2695		
02695	MOVE BUMP-NO IN PASS-LOAD (PASS-INX) TO D-CHAR4.	02695LOAD	2696	0262	0199 0201
02696	IF D-CHAR4 NOT = "00" GO TO CK-BY-PASS-1.	02696LOAD	2697	0298	
02697	MOVE PASS-KEY (PASS-INX) TO KEY-MFN.	02697LOAD	2698		
02698	READ MASTER-FILE INVALID KEY DISPLAY = BAD PASS-KEY = "	02698LOAD	2699	0298	
02699	KEY-MFN GO TO CK-BY-PASS-1.	02699LOAD	2700	0298	0213
02700	MOVE "00" TO SIZE-CODE IN MASTER-RECORD.	02700LOAD	2701	0454	0298 0320
02701	MOVE "00" TO SIZE-CODE IN PASS-LOAD (PASS-INX).	02701LOAD	2702	0320	
02702	REWRITE MASTER-RECORD INVALID KEY	02702LOAD	2703	0446	0298 0253
02703	DISPLAY = PAX-KEY = " KEY-MFN	02703LOAD	2704	0103	
02704	GO TO CK-BY-PASS-1.	02704LOAD	2705	0253	
02705	ADD 1 TO PASS-LOADED.	02705LOAD	2706	0122	
02706	ADD 1 TO PAX-LOADED.	02706LOAD	2707	0456	0298
02707		02707LOAD	2708	0109	
02708		02708LOAD	2709		
02709		02709LOAD	2710	0253	
02710		02710LOAD	2711	0647	
02711		02711LOAD	2712	0214	



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02712 SUBTRACT 1 FROM PASS-MAX. 02712 0666
02713 ADD 1 IN MASTER-RECORD TO PASS-WT. 02713 0132 0223
02714 ADD 1 TO NO-REQ-PASS. 02714 0201
02715 SUBTRACT 1 FROM TEMP-WORK. 02715 0262
02716 IF TEMP-WORK GREATER THAN 0 GO TO CK-BY-PASS-1. 02716 0262
02717 REQ-PASS-FND-EXIT. 02717 0262
02718 FIN-PASS. 02718 0262
02719 IF ALL-PASS-FLG = 1 GO TO PASS-PICK-EXIT. 02719 0262
02720 IF VAR-HEIGHTS NOT = 1 GO TO PASS-PICK-EXIT. 02720 0262
02721 COMPUTE TEMP-WORK = PAX-LOADED + NO-REQ-PASS. 02721 0262
02722 COMPUTE TEMP-MOMENT = 02722 0262
02723 MOMENT + (TEMP-WORK * PAX-WT * 1741). 02723 0262
02724 COMPUTE TEMP-GROSS = TEMP-GROSS - 02724 0262
02725 ((PASS-GO - PAX-LOADED - NO-REQ-PASS) * PAX-WT). 02725 0262
02726 COMPUTE LCG = TEMP-MOMENT / TEMP-GROSS. 02726 0262
02727 IF ALL-PALLET-FLG = 1 GO TO PASS-PICK-EXIT. 02727 0262
02728 IF LCG GREATER THAN PLANNING-CG GO TO FINA-C5-FWD. 02728 0262
02729 IF LCG LESS THAN PLANNING-CG GO TO FINA-C5-AFT. 02729 0262
02730 GO TO PASS-PICK-EXIT. 02730 0262
02731 FINA-C5-FWD. 02731 0262
02732 IF MOST-FWD LESS THAN FWD-STA 02732 0262
02733 MOVE 0 TO SHIFT ELSE 02733 0262
02734 COMPUTE SHIFT = MOST-FWD - FWD-STA. 02734 0262
02735 COMPUTE TEMP-WORK = LCG - PLANNING-CG. 02735 0262
02736 IF TEMP-WORK GREATER THAN SHIFT-NEXT-SENTENCE ELSE 02736 0262
02737 MOVE TEMP-WORK TO SHIFT. 02737 0262
02738 COMPUTE SHIFT = SHIFT + 1. 02738 0262
02739 PERFORM SHIFT-IT THRU SHIFT-IT-EXIT VARYING 1 FROM 1 BY 1 02739 0262
02740 UNTIL 1 GREATER THAN NO-LOADED. 02740 0262
02741 GO TO PASS-PICK-EXIT. 02741 0262
02742 FINA-C5-AFT. 02742 0262
02743 IF MOST-AFT GREATER THAN AFT-STA 02743 0262
02744 MOVE 0 TO SHIFT ELSE 02744 0262
02745 COMPUTE SHIFT = AFT-STA - MOST-AFT. 02745 0262
02746 COMPUTE TEMP-WORK = PLANNING-CG - LCG. 02746 0262
02747 IF TEMP-WORK GREATER THAN SHIFT-NEXT-SENTENCE ELSE 02747 0262
02748 MOVE TEMP-WORK TO SHIFT. 02748 0262
02749 COMPUTE SHIFT = SHIFT + 1. 02749 0262
02750 PERFORM SHIFT-IT THRU SHIFT-IT-EXIT VARYING 1 FROM 1 BY 1 02750 0262
02751 UNTIL 1 GREATER THAN NO-LOADED. 02751 0262
02752 PASS-PICK-EXIT. 02752 0262
02753 DELETE-FILE-SECTION-15. 02753 0262
02754 DELETE-FILE-SECTION. 02754 0262
02755 MOVE ZEROS TO INX. 02755 0262
02756 MOVE ZEROS TO INX. 02756 0262
02757 MOVE NO-LOADED TO UNLLC. 02757 0262
02758 CK-NEXT-ITEM. 02758 0262
02759 ADD 1 TO INX. 02759 0262
02760 IF INX GREATER THAN ONLLC GO TO DELETE-FILE-EXIT. 02760 0262
02761 IF LOAD-FLAG IN EQUIP-LOAD (INX) = 1 GO TO CK-NEXT-ITEM. 02761 0262
02762 MOVE ITEM-NO IN LOCATION (INX) TO IND. 02762 0262
02763 COMPUTE HALF-TIE-X = 02763 0262
02764 1X-AFT IN LOCATION (INX) - X-FORWARD IN LOCATION (INX) 02764 0262
02765 - LTH IN EQUIP-LOAD (IND) / 2. 02765 0262
02766 02766 0266
02767 02767 0266
02768 02768 0266

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02769 027690 MOVE EQUIP-KEY (IND) TO KEY-MFN.
02770 027700** IF HELI DO NOT READ MASTER
02771 027710*
02772 027720*
02773 027730**
02774 027740 IF LOAD-FLAG (IND) = "H"
02775 027750 MOVE EQUIP-LOAD (IND) TO MASTER-RECORD
02776 027760 GO TO DELETE-IT.
02777 027770*
02778 027780 SEEK MASTER-FILE.
02779 027790*
02780 027800* REPLACES "START" IN IBM 360 SYSTEM.
02781 027810*
02782 027820 READ MASTER-FILE INVALID KEY
02783 027830 DISPLAY = *** UNABLE TO READ MASTER-FILE *** KEY-MFN = "
02784 027840 KEY-MFN
02785 027850 GO TO BD-1A.
02786 027860 GO TO BD-5.
02787 027870 BU-1A.
02788 027880 MOVE 0 TO ART.
02789 027890 BD-1B.
02790 027900 ADD 1 TO ART.
02791 027910 IF ART GREATER THAN 101 DISPLAY = STILL CAN NOT DO IT =
02792 027920 GO TO BD-1.
02793 027930 MOVE KEY-MFN TO MFN-C.
02794 027940 SEEK MASTER-FILE.
02795 027950 READ MASTER-FILE
02796 027960 INVALID KEY
02797 027970 MOVE MFN-C TO KEY-MFN
02798 027980 DISPLAY = WE TRIED IT LIKE THIS = KEY-MFN
02799 027990 GO TO BD-1B.
02800 028000 DISPLAY = THIS WORKS = KEY-MFN.
02801 028010 GO TO BD-5.
02802 028020 BD-1.
02803 028030 MOVE 0 TO ART.
02804 028040 MOVE START-KEY TO KEY-MFN.
02805 028050 DISPLAY = TRY START KEY AT POINT B = KEY-MFN.
02806 028060 BD-2.
02807 028070 SEEK MASTER-FILE.
02808 028080 READ MASTER-FILE INVALID KEY GO TO BD-4.
02809 028090 GO TO BD-5.
02810 028100 BD-4.
02811 028110 ADD 1 TO ART.
02812 028120 IF ART GREATER THAN 100 DISPLAY = CAN NOT DO IT = GO TO
02813 028130 CLOSE-SHOP.
02814 028140 ADD 1 TO KEY-MFN.
02815 028150 DISPLAY = LET US TRY THIS NUMBER = KEY-MFN.
02816 028160 GO TO BD-2.
02817 028170 BD-5.
02818 028180 MOVE VRN IN MASTER-RECORD TO VRN-TEMP.
02819 028190 IF LD-FLAG IN LOCATION (IND) NOT = "H" GO TO DELETE-IT.
02820 028200 IF BUMP-NO IN VRN-TEMP = SPACES
02821 028210 MOVE HIGH-VALUES TO BUMP-NO IN VRN-TEMP
02822 028220 GO TO DELETE-IT.
02823 028230 MOVE INX TO SAV-INX.
02824 028240 MOVE WT IN MASTER-RECORD TO WT IN EQUIP-LOAD (IND).
02825 028250 MOVE LTH IN MASTER-RECORD TO LTH IN EQUIP-LOAD (IND).
02769LOAD 2770 0427 0266 0253
02770LOAD 2771
02771LOAD 2772
02772LOAD 2773
02773LOAD 2774
02774LOAD 2775 0435 0266
02775LOAD 2776 0426 0266
02776LOAD 2777 0109
02777LOAD 2778
02778LOAD 2779 0103
02779LOAD 2780
02780LOAD 2781
02781LOAD 2782
02782LOAD 2783 0103
02783LOAD 2784
02784LOAD 2785
02785LOAD 2786 0253
02786LOAD 2787
02787LOAD 2788
02788LOAD 2789 0256
02789LOAD 2790
02790LOAD 2791 0256
02791LOAD 2792 0256
02792LOAD 2793
02793LOAD 2794 0253 0258
02794LOAD 2795 0103
02795LOAD 2796 0103
02796LOAD 2797
02797LOAD 2798 0258
02798LOAD 2799 0253
02799LOAD 2800 0253
02800LOAD 2801 0253
02801LOAD 2802
02802LOAD 2803
02803LOAD 2804 0256
02804LOAD 2805 0254 0253
02805LOAD 2806 0253
02806LOAD 2807
02807LOAD 2808 0103
02808LOAD 2809 0103
02809LOAD 2810
02810LOAD 2811
02811LOAD 2812 0256
02812LOAD 2813 0256
02813LOAD 2814
02814LOAD 2815 0253
02815LOAD 2816 0253
02816LOAD 2817
02817LOAD 2818
02818LOAD 2819 0116 0554
02819LOAD 2820 0471 0267
02820LOAD 2821 0556
02821LOAD 2822
02822LOAD 2823 0556
02823LOAD 2824 0267 0235
02824LOAD 2825 0132 0439 0266
02825LOAD 2826 0133 0440 0266

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12883 (28830) REWRITE MASTER-RECORD INVALID KEY GO TO INVALID-KEY-REWRITE.
12884 (28840) READ MASTER-FILE AT END GO TO CK-NEXT-ITEM.
12885 (28850) IF SIZE-CODE IN MASTER-RECORD = "0" GO TO CK-NEXT-ITEM.
12886 (28860) IF BUMP-NO IN MASTER-RECORD = SPACES GO TO CK-NEXT-ITEM.
12887 (28870) IF BUMP-NO IN MASTER-RECORD = SPACES GO TO CK-NEXT-ITEM.
12888 (28880) IF BUMP-NO IN MASTER-RECORD = LOW-VALUE GO TO CK-NEXT-ITEM.
12889 (28890) IF BUMP-NO IN MASTER-RECORD = HIGH-VALUE GO TO CK-NEXT-ITEM.
12890 (28900) IF FMATE = LOW-VALUE NEXT SENTENCE
12891 (28910) ELSE
12892 (28920) IF VNN IN MASTER-RECORD NOT = VRN-TEMP GO TO CK-NEXT-ITEM.
12893 (28930) IF NOT A PASSENGER CREATE ANOTHER ITEM IN LOOKATION
12894 (28940) IF FMATE = LOW-VALUE
12895 (28950) AND XCODE IN MASTER-RECORD = 2
12896 (28960) GO TO FIND-REQ-PASS
12897 (28970) ELSE
12898 (28980) IF FMATE = LOW-VALUE GO TO CK-NEXT-ITEM
12899 (28990) ELSE
12900 (29000) IF XCODE IN MASTER-RECORD NOT = 2 GO TO CREATE-ITEM-TWO.
12901 (29010)
12902 (29020) FIND-REQ-PASS.
12903 (29030) IF NO-REQ-PASS + PAX-LOADED GREATER THAN PASS-GO
12904 (29040) COMPUTE TEMP-WORK ROUNDED = PASS-GO / NO-LOADED
12905 (29050) GO TO TAKE-1-PER-BUMPER.
12906 (29060)
12907 (29070) BBLE TO TAKE ALL REQUIRED
12908 (29080)
12909 (29090) RESET-PASS-INX.
12910 (29100) MOVE 0 TO PASS-INX.
12911 (29110) LOOK-FOR-REQ-PASS.
12912 (29120) ADD 1 TO PASS-INX.
12913 (29130) IF PASS-INX GREATER THAN NO-PASS GO TO PASS-ERROR.
12914 (29140) IF PASS-KEY (PASS-INX) = KEY-MFR GO TO LOAD-REQ-PASS.
12915 (29150) GO TO LOOK-FOR-REQ-PASS.
12916 (29160) LOAD-REQ-PASS.
12917 (29170) ADD 1 TO PAX-LOADED.
12918 (29180) ADD WT IN MASTER-RECORD TO PASS-WT.
12919 (29190) MOVE "0" TO SIZE-CODE IN PASS-LOAD (PASS-INX).
12920 (29200) GO TO DELETE-IT.
12921 (29210) TAKE-1-PER-BUMPER.
12922 (29220) IF 1 LESS THAN 0 GO TO LOOK-FOR-SAME-KEY.
12923 (29230) MOVE 0 TO PASS-INX.
12924 (29240) LOCK-FOR-SAME-KEY.
12925 (29250) ADD 1 TO PASS-INX.
12926 (29260) IF PASS-INX GREATER THAN NO-PASS GO TO PASS-ERROR.
12927 (29270) IF PASS-KEY (PASS-INX) = KEY-MFR GO TO CAN-WE-TAKE-REQ.
12928 (29280) IF PASS-INX EQUAL NO-PASS AND 1 LESS THAN 0
12929 (29290) MOVE 0 TO PASS-INX. MOVE 1 TO I.
12930 (29300) GO TO LOOK-FOR-SAME-KEY.
12931 (29310) CAN-WE-TAKE-REQ.
12932 (29320) IF XCODE IN PASS-LOAD (PASS-INX) = 0
12933 (29330) ADD 1 TO R-PAX-NOT-LOADED
12934 (29340) MOVE "0" TO R-FLAG IN MASTER-RECORD
12935 (29350) MOVE NO-PLANE TO R-CLK-NO
12936 (29360) IF PASS-INX LESS THAN NO-PASS MOVE -1 TO I
12937 (29370) GO TO REWRITE-IT.
12938 (29380) ADD 1 TO PAX-LOADED.
12939 (29390) ADD WT IN MASTER-RECORD TO PASS-WT.

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02883LOAD 2884 0109
02884LOAD 2885 0103
02885LOAD 2886 0122
02886LOAD 2887 0116
02887LOAD 2888 0118
02888LOAD 2889 0118
02889LOAD 2890 0586
02890LOAD 2891
02891LOAD 2892 0116 0554
02892LOAD 2893
02893LOAD 2894
02894LOAD 2895 0586
02895LOAD 2896 0130
02896LOAD 2897
02897LOAD 2898
02898LOAD 2899 0586
02899LOAD 2900
02900LOAD 2901 0130
02901LOAD 2902
02902LOAD 2903
02903LOAD 2904 0201 0214
02904LOAD 2905 0199 0262 0199
02905LOAD 2906 0217
02906LOAD 2907
02907LOAD 2908
02908LOAD 2909
02909LOAD 2910
02910LOAD 2911 0298
02911LOAD 2912
02912LOAD 2913 0298 0213
02913LOAD 2914 0298 0213
02914LOAD 2915 0448 0298 0110
02915LOAD 2916
02916LOAD 2917
02917LOAD 2918 0214
02918LOAD 2919 0132 0223
02919LOAD 2920 0456 0298
02920LOAD 2921
02921LOAD 2922
02922LOAD 2923 0240
02923LOAD 2924 0298
02924LOAD 2925
02925LOAD 2926 0298
02926LOAD 2927 0298 0213
02927LOAD 2928 0448 0298 0110
02928LOAD 2929 0298 0213 0240
02929LOAD 2930 0298 0240
02930LOAD 2931
02931LOAD 2932
02932LOAD 2933 0458 0298
02933LOAD 2934
02934LOAD 2935 0216 0238
02935LOAD 2936 0120 0238
02936LOAD 2937 0121 0298 0213
02937LOAD 2938 0240
02938LOAD 2939 0214
02939LOAD 2940 0132 0223

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LDAMP

029400	MOVE "0" TO SIZE-CODE IN PASS-LOAD (PASS-INX).	029400	2941 0456 0298
029410	MOVE 1 TO I.	029410	2942 0240
029420	SUBTRACT 1 FROM NO-REQ-PASS.	029420	2943 0201
029430	ADD 1 TO TEMP4.	029430	2944 0268
029440	IF TEMP4 LESS THAN TEMP-WORK GO TO DELETE-IT.	029440	2945 0268 0262
029450	LOOK-FWD-FOR-SAME-VRN.	029450	2946
029460	MOVE PASS-INX TO I.	029460	2947 0298 0240
029470	MOVE 0 TO TEMP4.	029470	2948 0248
029480	LOOP-FWD.	029480	2949
029490	ADD 1 TO I.	029490	2950 0240
029500	IF I GREATER THAN NO-PASS MOVE 0 TO I GO TO DELETE-IT.	029500	2951 0250 0213 0240
029510	IF VRN IN PASS-LOAD (PASS-INX) = VRN IN PASS-LOAD (I)	029510	2952 0250 0298 0452 0240
029520	MOVE 0 TO XCODE IN PASS-LOAD (I).	029520	2953 0458 0240
029530	GO TO LOOP-FWD.	029530	2954
029540	PASS-ERROR.	029540	2955
029550	DISPLAY = PASS-ERROR = NO-PASS.	029550	2956 0213
029560	GO TO CK-NEXT-ITEM.	029560	2957
029570	CREATE-ITEM-TWO.	029570	2958
029580	ADD 1 TO NO-LOADED.	029580	2959 0217
029590	ADD 1 TO NO-EQUIP.	029590	2960 0212
029600	MOVE MASTER-RECORD TO EQUIP-LOAD (NO-EQUIP).	029600	2961 0109 0426 0212
029610	MOVE "M" TO LOAD-FLAG IN EQUIP-LOAD (NO-EQUIP).	029610	2962 0435 0212
029620	MOVE CG-Y IN LOCATION (INX) TO	029620	2963 0466 0267
029630	CG-Y IN LOCATION (NO-LOADED).	029630	2964 0466 0217
029640	MOVE NO-EQUIP TO ITEM-NO IN LOCATION (NO-LOADED).	029640	2965 0212 0462 0217
029650	Y-RIGHT AND Y-LEFT FOR ITEM-NO IS THE SAME AS ITEM ONE.	029650	2966
029660	MOVE Y-RIGHT IN LOCATION (INX) TO	029660	2967 0467 0267
029670	Y-RIGHT IN LOCATION (NO-LOADED).	029670	2968 0467 0217
029680	MOVE Y-LEFT IN LOCATION (INX) TO	029680	2969 0468 0267
029690	Y-LEFT IN LOCATION (NO-LOADED).	029690	2970 0468 0217
029700	MOVE LOK-FLAG IN LOCATION (INX) TO	029700	2971 0470 0267
029710	LOK-FLAG IN LOCATION (NO-LOADED).	029710	2972 0470 0217
029720	MOVE "M" TO LD-FLAG IN LOCATION (NO-LOADED).	029720	2973 0471 0217
029730	MOVE CGC IN MASTER-RECORD TO SCGC (NO-LOADED).	029730	2974 0136 0469 0217
029740	MOVE SSAN IN MASTER-RECORD TO TEMP-WORK.	029740	2975 0131 0262
029750	IF FTELE = HIGH-VALUE AND XCODE IN MASTER-RECORD = 5	029750	2976 0587 0130
029760	GO TO TELES-TRA.	029760	2977
029770	IF XCODE IN MASTER-RECORD = 3 MOVE 2 TO TEMP-WORK.	029770	2978 0130 0262
029780	IF XCODE IN MASTER-RECORD = 4 MOVE 6 TO TEMP-WORK.	029780	2979 0130 0262
029790	IF XCODE IN MASTER-RECORD = 5 MOVE 6 TO TEMP-WORK.	029790	2980 0130 0262
029800	TELES-TRA.	029800	2981
029810	IF FACING = "FWD" OR LOK-FLAG IN LOCATION (INX) = "M"	029810	2982 0766 0470 0267
029820	GO TO SECOND-ITEM-AFT.	029820	2983
029830	SECOND ITEM LOADED-FWD-MOST BUT	029830	2984
029840	CG-X MUST BE TOWARD THE REAR.	029840	2985
029850	ADD HALF-TIE-X TO X-FORWARD IN LOCATION (SAV-INX).	029850	2986 0268 0463 0235
029860	COMPUTE X-AFT IN LOCATION (NO-LOADED) =	029860	2987 0484 0217
029870	X-FORWARD IN LOCATION (SAV-INX) + TEMP-WORK.	029870	2988 0463 0235 0262
029880	COMPUTE X-FORWARD IN LOCATION (NO-LOADED) =	029880	2989 0463 0217
029890	X-AFT IN LOCATION (NO-LOADED) - LTH IN MASTER-RECORD	029890	2990 0464 0217
029900	- HALF-TIE-X.	029900	2991 0133 0268
029910	MOVE NO-LOADED TO SAV-INX.	029910	2992 0217 0235
029920	COMPUTE CG-X IN LOCATION (NO-LOADED) =	029920	2993 0465 0217
029930	X-AFT IN LOCATION (NO-LOADED) - CGC IN MASTER-RECORD.	029930	2994 0464 0217 0136
029940	GO TO DELETE-IT.	029940	2995
029950	SECOND-ITEM-AFT.	029950	2996
029960	SECOND ITEM LOADED AFT-MOST BUT	029960	2997

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029970**** CG-X MUST BE TOWARD THE FRONT.
029980 SUBTRACT HALF-TIE-X FROM X-AFT IN LOKATION (SAV-INX1).
029990 COMPUTE X-FORWARD IN LOKATION (NO-LOADED) =
030000 X-AFT IN LOKATION (SAV-INX1) - TEMP-WORK.
030010 COMPUTE X-AFT IN LOKATION (NO-LOADED) = LTH IN MASTER-RECORD
030020 X-FORWARD IN LOKATION (NO-LOADED) + HALF-TIE-X.
030030 MOVE NO-LOADED TO SAV-INX.
030040 COMPUTE CG-X IN LOKATION (NO-LOADED) =
030050 X-FORWARD IN LOKATION (NO-LOADED) +
030060 CGC IN MASTER-RECORD.
030070 GO TO DELETE-IT.
030080 DELETE-FILE-EXIT.
030090 COMPUTE GROSS = GROSS + PASS-WT.
030100 SORT-LOAD SECTION 15.
030110 SORT-LOAD SECTION 15.
030120 SORT-LOAD-SECTION-15.
030130 MOVE NO-EQUIP TO I.
030140 SORT-LOAD-1.
030150 COMPUTE I = I / 2.
030160 IF I = ZERO GO TO SORT-LOAD-EXIT.
030170 COMPUTE J = NO-EQUIP - I.
030180 COMPUTE K = I.
030190 SORT-LOAD-2.
030200 MOVE K TO L.
030210 SORT-LOAD-3.
030220 COMPUTE M = L - I.
030230 IF LDD-FLAG IN EQUIP-LOAD (M) GREATER THAN
030240 LDD-FLAG IN EQUIP-LOAD (L) GO TO SORT-LOAD-5.
030250 IF LDD-FLAG IN EQUIP-LOAD (M) LESS THAN
030260 LDD-FLAG IN EQUIP-LOAD (L) GO TO SORT-LOAD-4.
030270 IF WT IN EQUIP-LOAD (M) GREATER THAN
030280 WT IN EQUIP-LOAD (L) GO TO SORT-LOAD-5.
030290 SORT-LOAD-4.
030300 IF K = J. GO TO SORT-LOAD-1.
030310 COMPUTE K = K + 1.
030320 GO TO SORT-LOAD-2.
030330 SORT-LOAD-5.
030340 MOVE EQUIP-LOAD (M) TO BUFFER.
030350 MOVE EQUIP-LOAD (L) TO EQUIP-LOAD (M).
030360 MOVE BUFFER TO EQUIP-LOAD (L).
030370 COMPUTE L = L - 1.
030380 IF L LESS THAN 1. GO TO SORT-LOAD-4.
030390 GO TO SORT-LOAD-3.
030400 SORT-LOAD-EXIT.
030410 EXIT.
030420 MANIFEST SECTION 40.
030430 MANIFEST-SECTION-15.
030440 COMPUTE TEMP-WORK = NO-LOADED + PAX-LOADED.
030450 IF TEMP-WORK = 0 GO TO MANIFEST-EXIT.
030460 ***** THE FOLLOWING ROUTINE SETS THE INDEX NUMBERS OF THE LOAD SO *
030470 ***** THEY ARE LISTED IN SEQUENCE FORWARD TO AFT *****
030480 *****
030490 ***** SORT-LOKATION.
030500 MOVE NO-LOADED TO I.
030510 MOVE NO-LOADED TO I.
030520 SORT-LOKATION-1.
030530 COMPUTE I = I / 2.
029970LOAD 2999 0268 0464 0235
029980LOAD 2999 0463 0217
029990LOAD 3000 0464 0235 0262
030000LOAD 3001 0464 0235 0262
030010LOAD 3002 0464 0217
030020LOAD 3003 0463 0217
030030LOAD 3004 0133 0268
030040LOAD 3005 0217 0235
030050LOAD 3006 0465 0217
030060LOAD 3007 0463 0217
030070LOAD 3008 0136
030080LOAD 3009
030090LOAD 3010
030100LOAD 3011 0228 0228 0223
030110LOAD 3012
030120LOAD 3013
030130LOAD 3014 0212 0240
030140LOAD 3015
030150LOAD 3016 0240 0240
030160LOAD 3017 0240
030170LOAD 3018 0241 0212 0240
030180LOAD 3019 0242
030190LOAD 3020
030200LOAD 3021 0242 0243
030210LOAD 3022
030220LOAD 3023 0244 0243 0240
030230LOAD 3024 0444 0244
030240LOAD 3025 0444 0243
030250LOAD 3026 0444 0244
030260LOAD 3027 0444 0243
030270LOAD 3028 0439 0244
030280LOAD 3029 0439 0243
030290LOAD 3030
030300LOAD 3031 0242 0241
030310LOAD 3032 0242 0242
030320LOAD 3033
030330LOAD 3034
030340LOAD 3035 0426 0244 0491
030350LOAD 3036 0426 0243 0426 0244
030360LOAD 3037 0491 0426 0243
030370LOAD 3038 0243 0243 0240
030380LOAD 3039 0243
030390LOAD 3040
030400LOAD 3041
030410LOAD 3042
030420LOAD 3043
030430LOAD 3044
030440LOAD 3045 0262 0217 0214
030450LOAD 3046 0262
030460LOAD 3047
030470LOAD 3048
030480LOAD 3049
030490LOAD 3050
030500LOAD 3051
030510LOAD 3052 0217 0240
030520LOAD 3053
030530LOAD 3054 0240 0240

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03 54 (30540 IF I = 0, GO TO SORT-LOCATION-END.
03 55 (30550 COMPUTE J = NO-LOADED - 1.
03 56 (30560 MOVE J TO K.
03 57 (30570 SORT-LOCATION-2.
03 58 (30580 MOVE K TO L.
03 59 (30590 SORT-LOCATION-3.
03 60 (30600 COMPUTE M = L + 1.
03 61 (30610 IF CG-X IN LOCATION (L) GREATER THAN CG-X IN
03 62 (30620 LOCATION (M), GO TO SORT-LOCATION-5.
03 63 (30630 SORT-LOCATION-4.
03 64 (30640 IF K = J, GO TO SORT-LOCATION-1.
03 65 (30650 COMPUTE K = K + 1.
03 66 (30660 GO TO SORT-LOCATION-2.
03 67 (30670 SORT-LOCATION-5.
03 68 (30680 MOVE LOCATION (M) TO BUFFER.
03 69 (30690 MOVE LOCATION (L) TO LOCATION (M).
03 70 (30700 MOVE BUFFER TO LOCATION (L).
03 71 (30710 COMPUTE L = L - 1.
03 72 (30720 IF L LESS THAN 1, GO TO SORT-LOCATION-4.
03 73 (30730 GO TO SORT-LOCATION-3.
03 74 (30740 SORT-LOCATION-END.
03 75 (30750 MOVE CORRESPONDING AIRCRAFT-DATA TO LINE3.
03 76 (30760 MOVE CORRESPONDING AIRCRAFT-DATA TO LINE4.
03 77 (30770 MOVE NO-PLANE TO CHALK-NO IN LINE3.
03 78 (30780 IF CHLK-NO-X NUMERIC AND CHLK-NO-X NOT = 0
03 79 (30790 MOVE CHLK-NO TO CHALK-NO IN LINE3.
03 80 (30800 MOVE 0 TO ITERATIONS.
03 81 (30810 MOVE SPACES TO FACING-EXCEPTION.
03 82 (30820 IF NO-LOADED = 0
03 83 (30830 MOVE 0 TO 1
03 84 (30840 MOVE 0 TO L
03 85 (30850 GO TO PASS-MANIFEST.
03 86 (30860 MANIFEST-OPEN.
03 87 (30870 PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.
03 88 (30880 ADD 1 TO ITERATIONS.
03 89 (30890 MOVE ITERATIONS TO PAGE-NO.
03 90 (30900 WRITE PRINTER-RECORD FROM LINE1 AFTER ADVANCING 2.
03 91 (30910 WRITE PRINTER-RECORD FROM LINE2 AFTER ADVANCING 1.
03 92 (30920 WRITE PRINTER-RECORD FROM LINE3 AFTER ADVANCING 1.
03 93 (30930 MOVE ALL " " TO DATA-LINE.
03 94 (30940 WRITE PRINTER-RECORD AFTER ADVANCING 1.
03 95 (30950 MOVE 8 TO LINE-COUNT.
03 96 (30960 SCHEMATIC.
03 97 (30970 *****
03 98 (30980 THIS ROUTINE SETS UP THE PRINT LINES FOR THE LOAD PLAN
03 99 (30990 ***** THIS COULD BE TIME CONSUMING
04 00 (31000 ***** BUT HIPEFULLY THE RESULTS WILL BE NICE AND PRETTY
04 01 (31010 *****
04 02 (31020 *****
04 03 (31030 *****
04 04 (31040 IF FACING-FLAG = 1
04 05 (31050 MOVE FACING-EXCP TO FACING-EXCEPTION.
04 06 (31060 IF FPLAN = HIGH-VALUE
04 07 (31070 WRITE PRINTER-RECORD FROM LINE4 AFTER ADVANCING 3.
04 08 (31080 MOVE SPACES TO OUTLINE-AREA.
04 09 (31090 MOVE "AFT" TO L-AFT.
04 10 (31100 MOVE "END" TO L-END.
04 11 (31110 IF AC-MOD IN AIRCRAFT-DATA = "C-5 " OR "C-5A "
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03111 MOVE "KNEELING CONFIGURATION =" TO MSG1
03112 MOVE "AFT FWD LEVEL " TO MSG2.
03113 IF FPLAN = HIGH-VALUE
03114 WRITE PRINTER-RECORD FROM OUTLINE-AREA AFTER ADVANCING 2.
03115 *PRINT-STATIONS.
03116 MOVE SPACES TO OUTLINE-AREA.
03117 MOVE 9 TO J.
03118 MOVE 0 TO K. TEMP.
03119 PRINT-STATIONS-1.
03120 COMPUTE K = K + 5.
03121 IF TEMP LESS THAN 1000, ADD 1 TO K.
03122 COMPUTE TEMP ROUNDED = AC-LTH * J / 132 + FST-LOBL-STA.
03123 IF TEMP LESS THAN 1000, ADD 1 TO K. MOVE 4 TO Z.
03124 ELSE MOVE 2 TO Z.
03125 ADD 10 TO J.
03126 MOVE TEMP TO EDIT-FIELD.
03127 PRINT-STATIONS-2.
03128 ADD 1 TO Z. ADD 1 TO K.
03129 MOVE EDIT-CHAR (Z) TO OUTLINE (K).
03130 IF Z LESS THAN 7, GO TO PRINT-STATIONS-2.
03131 IF Z LESS THAN 130, GO TO PRINT-STATIONS-1.
03132 IF FPLAN = HIGH-VALUE
03133 WRITE PRINTER-RECORD FROM OUTLINE-AREA AFTER ADVANCING 2.
03134 MOVE SPACES TO OUTLINE-AREA.
03135 MOVE 9 TO K.
03136 PRINT-STATIONS-3.
03137 MOVE QUOTE TO OUTLINE (K).
03138 IF K LESS THAN 125, ADD 10 TO K, GO TO PRINT-STATIONS-3.
03139 IF FPLAN = HIGH-VALUE
03140 WRITE PRINTER-RECORD FROM OUTLINE-AREA AFTER ADVANCING 1.
03141 MOVE ALL "-" TO DATA-LINE.
03142 WRITE PRINTER-RECORD AFTER ADVANCING 1.
03143 *SEARCH-PK-LOC.
03144 MOVE 0 TO PK1-LOC PK2-LOC.
03145 MOVE 0 TO I.
03146 SEARCH-PK-LOC-1.
03147 ADD 1 TO I.
03148 IF I GREATER THAN NO-LOADED
03149 GO TO SET-LOAD-PIC.
03150 MOVE ITEM-NO IN LOCATION (I) TO J.
03151 IF LOAD-FLAG IN EQUIP-LOC (J) = "H" AND PK1-LOC = 0
03152 MOVE 1 TO PK1-LOC
03153 GO TO SEARCH-PK-LOC-1.
03154 IF LOAD-FLAG IN EQUIP-LOC (J) = "H"
03155 MOVE 1 TO PK2-LOC.
03156 GO TO SEARCH-PK-LOC-1.
03157 SET-LOAD-PIC.
03158 COMPUTE LINE-COUNT = LINE-COUNT + 8.
03159 MOVE ZERO TO HELI-CNTR-PK1, HELI-CNTR-PK2.
03160 MOVE 0 TO COUNT.
03161 SET-LOAD-PIC-1.
03162 ADD 1 TO COUNT.
03163 MOVE 0 TO I. MOVE SPACES TO OUTLINE-AREA.
03164 SET-LOAD-PIC-2.
03165 ADD 1 TO I.
03166 MOVE ZERO TO BIAS.
03167 IF I GREATER THAN PK1-LOC

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AD-A066 988

ARMY LOGISTICS CENTER FORT LEE VA  
AIR MOVEMENT PLANNING SYSTEM (AMPS). VOLUME III. SYSTEM/PROGRAM--ETC(U)  
NOV 78 J E FREEMAN, V G LANKFORD, R E SPAIN

F/6 15/5

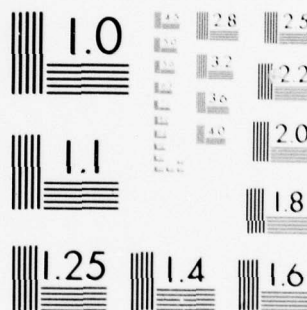
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4 OF 5

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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



03225	032250	COMPUTE K ROUNDED = (IK - FST-LOBL-STAI * 132) / AC-LTH.	03225LOAD	3226	0242	0242	0931	0927
03226	032260	IF K LESS THAN 1, MOVE 1 TO K.	03226LOAD	3227	0242	0242		
03227	032270	COMPUTE L ROUNDED = K +	03227LOAD	3228	0242	0242		
03228	032280	(LTH IN EQUIP-LOAD (J) * 132) / AC-LTH.	03228LOAD	3229	0440	0241	0927	
03229	032290	IF L GREATER THAN 132, MOVE 132 TO L.	03229LOAD	3230	0243	0243		
03230	032300	IF M = KOUNT OR N = KOUNT, GO TO SET-LOAD-PIC-12.	03230LOAD	3231	0244	0236	0245	0216
03231	032310	IF OUTLINE (K) = SPACE MOVE "M" TO OUTLINE (K).	03231LOAD	3232	0567	0242	0567	0242
03232	032320	IF OUTLINE (L) = SPACE MOVE "M" TO OUTLINE (L).	03232LOAD	3233	0567	0243	0567	0243
03233	032330	COMPUTE Z ROUNDED = (K + L) / 2.	03233LOAD	3234	0246	0246		
03234	032340	COMPUTE Z = Z - 5.	03234LOAD	3235	0246	0246		
03235	032350	COMPUTE TEMP-WORK = N - M.	03235LOAD	3236	0262	0245	0244	
03236	032360	IF TEMP-WORK LESS THAN 7, GO TO SET-LOAD-PIC-9.	03236LOAD	3237	0262	0245	0244	
03237	032370	COMPUTE TEMP-WORK = L - K.	03237LOAD	3238	0262	0243	0242	
03238	032380	IF TEMP-WORK LESS THAN 11, GO TO SET-LOAD-PIC-9.	03238LOAD	3239	0262			
03239	032390	CHECK FOR TR	03239LOAD	3240				
03240	032400	TRAILER CHECK DELETED.	03240LOAD	3241				
03241	032410	IF LOAD-FLAG IN EQUIP-LOAD (J) = "N"	03241LOAD	3242	0435	0241		
03242	032420	GO TO SET-LOAD-PIC-HELLO.	03242LOAD	3243				
03243	032430	COMPUTE TEMP = KOUNT - (IN + M) / 2 + 3.	03243LOAD	3244	0247	0236	0245	0244
03244	032440	IF TEMP LESS THAN 1, GO TO SET-LOAD-PIC-13.	03244LOAD	3245	0247			
03245	032450	MOVE TEMP TO TEMP4.	03245LOAD	3246	0247	0248		
03246	032460	GO TO SET-LOAD-PIC-3.	03246LOAD	3247	0246			
03247	032470	SET-LOAD-PIC-8, SET-LOAD-PIC-4, SET-LOAD-PIC-5.	03247LOAD	3248				
03248	032480	GO TO SET-LOAD-PIC-13.	03248LOAD	3249				
03249	032490	SET-LOAD-PIC-3.	03249LOAD	3250				
03250	032500	IF Z GREATER THAN K, MOVE Z TO K.	03250LOAD	3251	0244	0242	0246	0242
03251	032510	ADD 1 TO K, MOVE "M" TO OUTLINE (K).	03251LOAD	3252	0242	0567	0242	
03252	032520	MOVE 5 TO Z.	03252LOAD	3253	0246			
03253	032530	COMPUTE A = 1 + BIAS.	03253LOAD	3254	0399	0240	0400	
03254	032540	MOVE A TO EDIT-FIELD.	03254LOAD	3255	0399	0578		
03255	032550	GO TO SET-LOAD-PIC-8.	03255LOAD	3256				
03256	032560	SET-LOAD-PIC-4.	03256LOAD	3257				
03257	032570	IF Z GREATER THAN K, MOVE Z TO K.	03257LOAD	3258	0246	0242	0246	0242
03258	032580	ADD 1 TO K, MOVE "C" TO OUTLINE (K), ADD 1 TO K, MOVE	03258LOAD	3259	0242	0567	0242	0242
03259	032590	"G" TO OUTLINE (K).	03259LOAD	3260	0567	0242		
03260	032600	MOVE (G-X IN LOCATION (I) TO EDIT-FIELD.	03260LOAD	3261	0465	0240	0578	
03261	032610	MOVE 1 TO Z.	03261LOAD	3262	0246			
03262	032620	GO TO SET-LOAD-PIC-8.	03262LOAD	3263				
03263	032630	SET-LOAD-PIC-5.	03263LOAD	3264				
03264	032640	COMPUTE Z = Z - 6.	03264LOAD	3265	0246	0246		
03265	032650	IF Z GREATER THAN K, MOVE Z TO K.	03265LOAD	3266	0246	0242	0246	0242
03266	032660	MOVE NOMENCLATURE IN EQUIP-LOAD (J) TO SHIFT-LEFT.	03266LOAD	3267	0428	0241	0557	
03267	032670	GO TO SET-LOAD-PIC-10.	03267LOAD	3268				
03268	032680	SET-LOAD-PIC-7.	03268LOAD	3269				
03269	032690	COMPUTE Z = Z - 1.	03269LOAD	3270	0246	0246		
03270	032700	IF Z GREATER THAN K, MOVE Z TO K.	03270LOAD	3271	0246	0242	0246	0242
03271	032710	ADD 1 TO K, MOVE "M" TO OUTLINE (K).	03271LOAD	3272	0242	0567	0242	
03272	032720	ADD 1 TO K, MOVE "M" TO OUTLINE (K).	03272LOAD	3273	0242	0567	0242	
03273	032730	ADD 1 TO K.	03273LOAD	3274	0242			
03274	032740	MOVE BUMP-WD IN EQUIP-LOAD (J) TO SHIFT-LEFT.	03274LOAD	3275	0433	0241	0557	
03275	032750	GO TO SET-LOAD-PIC-10.	03275LOAD	3276				
03276	032760	SET-LOAD-PIC-6.	03276LOAD	3277				
03277	032770	IF Z GREATER THAN K, MOVE Z TO K.	03277LOAD	3278	0246	0242	0246	0242
03278	032780	ADD 1 TO K, MOVE "M" TO OUTLINE (K), ADD 1 TO K.	03278LOAD	3279	0242	0567	0242	
03279	032790	MOVE "T" TO OUTLINE (K).	03279LOAD	3280	0242	0567	0242	
03280	032800	MOVE WT IN EQUIP-LOAD (J) TO EDIT-FIELD.	03280LOAD	3281	0439	0241	0578	
03281	032810	MOVE 0 TO Z.	03281LOAD	3282	0246			



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03282 032820 SET-LOAD-PIC-8.
03283 ADD 1 TO Z. ADD 1 TO K.
03284 MOVE EDIT-CHAR (Z) TO OUTLINE (K).
03285 COMPUTE TEMP-WORK = L - 1.
03286 IF Z LESS THAN 7 AND K LESS THAN TEMP-WORK
03287 GO TO SET-LOAD-PIC-8.
03288 GO TO SET-LOAD-PIC-13.
03289 SET-LOAD-PIC-9.
03290 COMPUTE TEMP-WORK = L - K.
03291 IF TEMP-WORK LESS THAN 4 GO TO SET-LOAD-PIC-13.
03292 COMPUTE TEMP = (M + N) / 2.
03293 IF TEMP = M ADD 1 TO TEMP.
03294 IF TEMP NOT = KOUNT GO TO SET-LOAD-PIC-13.
03295 COMPUTE K = (K + L) / 2 - 2.
03296 GO TO SET-LOAD-PIC-3.
03297 SET-LOAD-PIC-10.
03298 MOVE 0 TO Z.
03299 SET-LOAD-PIC-11.
03300 ADD 1 TO Z. ADD 1 TO K.
03301 MOVE LEFT-SHIFT (Z) TO OUTLINE (K).
03302 COMPUTE TEMP-WORK = L - 1.
03303 IF Z LESS THAN 20 AND K LESS THAN TEMP-WORK
03304 GO TO SET-LOAD-PIC-11.
03305 GO TO SET-LOAD-PIC-13.
03306 SET-LOAD-PIC-12.
03307 IF OUTLINE (K) = SPACE MOVE M TO OUTLINE (K).
03308 IF K LESS THAN L. ADD 1 TO K. GO TO SET-LOAD-PIC-12.
03309 SET-LOAD-PIC-13.
03310 IF L LESS THAN M. LOADED. GO TO SET-LOAD-PIC-2.
03311 IF PPLAN = HIGH-VALUE
03312 WRITE PRINTER-RECORD FROM OUTLINE-AREA AFTER ADVANCING 1.
03313 IF KOUNT LESS THAN PRINT-LIN. GO TO SET-LOAD-PIC-1.
03314 MOVE ALL -- TO DATA-LINE.
03315 WRITE PRINTER-RECORD AFTER ADVANCING 1.
03316 MOVE ALL -- TO PRINTER-RECORD.
03317 WRITE PRINTER-RECORD AFTER ADVANCING 2.
03318 WRITE PRINTER-RECORD FROM LINES AFTER ADVANCING 2.
03319 COMPUTE LINE-COUNT = LINE-COUNT + PRINT-LIN + 2.
03320 MOVE 0 TO L.
03321 MOVE 0 TO MOMENT GROSS XAREA.
03322 GO TO SCHEMATIC-EXIT.
03323 *****
03324 HELI * HELI * HELI * HELI * HELI * HELI *
03325 ***** PARAGRAPHS SET-LOAD-PIC-HEL1 THRU SET-LOAD-PIC-HEL1-9 *****
03326 ***** BUILDS SCHEMATIC PRINT LINES REPRESENTING HELI-PACKAGES. *****
03327 HELI * HELI * HELI * HELI * HELI * HELI * HELI *
03328 *****
03329 SET-LOAD-PIC-HEL1.
03330 COMPUTE Z = (K + L + 1) / 2
03331 COMPUTE Z = Z - 7.
03332 IF Z GREATER THAN M. MOVE Z TO K.
03333 MOVE 0 TO Z.
03334 COMPUTE TEMP = KOUNT - (M + N) / 2 + 4.
03335 IF TEMP LESS THAN 1
03336 GO TO SET-LOAD-PIC-13.
03337 MOVE TEMP TO TEMP4.
03338 GO TO SET-LOAD-PIC-HEL1-1

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03282LOAD 3283
03283LOAD 3284 0246 0242
03284LOAD 3285 0579 0246 0567 0242
03285LOAD 3286 0262 0243
03286LOAD 3287 0246 0242
03287LOAD 3288 0262
03288LOAD 3289
03289LOAD 3290
03290LOAD 3291 0262 0243 0242
03291LOAD 3292 0262
03292LOAD 3293 0247 0244 0245
03293LOAD 3294 0247 0244 0247
03294LOAD 3295 0247 0236
03295LOAD 3296 0242 0242 0243
03296LOAD 3297
03297LOAD 3298
03298LOAD 3299 0246
03299LOAD 3300
03300LOAD 3301 0246 0242
03301LOAD 3302 0558 0246 0567 0242
03302LOAD 3303 0262 0243
03303LOAD 3304 0246 0242
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03306LOAD 3307
03307LOAD 3308 0567 0242 0567 0242
03308LOAD 3309 0242 0243 0242
03309LOAD 3310
03310LOAD 3311 0240 0217
03311LOAD 3312 0585
03312LOAD 3313 0174 0565
03313LOAD 3314 0236 0517
03314LOAD 3315 0176
03315LOAD 3316 0174
03316LOAD 3317 0174
03317LOAD 3318 0174
03318LOAD 3319 0174 0769
03319LOAD 3320 0210 0210 0517
03320LOAD 3321 0240
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03333LOAD 3334 0246
03334LOAD 3335 0247 0236 0245 0244
03335LOAD 3336 0247
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03337LOAD 3338 0247 0248
03338LOAD 3339

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LDAMP

03339	03390	SET-LOAD-PIC-HELLI-3	03390	03390	03390
03340	03391	SET-LOAD-PIC-HELLI-4	03391	03391	03391
03341	03392	SET-LOAD-PIC-HELLI-5	03392	03392	03392
03342	03393	SET-LOAD-PIC-HELLI-6	03393	03393	03393
03343	03394	SET-LOAD-PIC-HELLI-7	03394	03394	03394
03344	03395	SET-LOAD-PIC-HELLI-8	03395	03395	03395
03345	03396	SET-LOAD-PIC-HELLI-9	03396	03396	03396
03346	03397	SET-LOAD-PIC-HELLI-10	03397	03397	03397
03347	03398	SET-LOAD-PIC-HELLI-11	03398	03398	03398
03348	03399	SET-LOAD-PIC-HELLI-12	03399	03399	03399
03349	03400	SET-LOAD-PIC-HELLI-13	03400	03400	03400
03350	03401	SET-LOAD-PIC-HELLI-14	03401	03401	03401
03351	03402	SET-LOAD-PIC-HELLI-15	03402	03402	03402
03352	03403	SET-LOAD-PIC-HELLI-16	03403	03403	03403
03353	03404	SET-LOAD-PIC-HELLI-17	03404	03404	03404
03354	03405	SET-LOAD-PIC-HELLI-18	03405	03405	03405
03355	03406	SET-LOAD-PIC-HELLI-19	03406	03406	03406
03356	03407	SET-LOAD-PIC-HELLI-20	03407	03407	03407
03357	03408	SET-LOAD-PIC-HELLI-21	03408	03408	03408
03358	03409	SET-LOAD-PIC-HELLI-22	03409	03409	03409
03359	03410	SET-LOAD-PIC-HELLI-23	03410	03410	03410
03360	03411	SET-LOAD-PIC-HELLI-24	03411	03411	03411
03361	03412	SET-LOAD-PIC-HELLI-25	03412	03412	03412
03362	03413	SET-LOAD-PIC-HELLI-26	03413	03413	03413
03363	03414	SET-LOAD-PIC-HELLI-27	03414	03414	03414
03364	03415	SET-LOAD-PIC-HELLI-28	03415	03415	03415
03365	03416	SET-LOAD-PIC-HELLI-29	03416	03416	03416
03366	03417	SET-LOAD-PIC-HELLI-30	03417	03417	03417
03367	03418	SET-LOAD-PIC-HELLI-31	03418	03418	03418
03368	03419	SET-LOAD-PIC-HELLI-32	03419	03419	03419
03369	03420	SET-LOAD-PIC-HELLI-33	03420	03420	03420
03370	03421	SET-LOAD-PIC-HELLI-34	03421	03421	03421
03371	03422	SET-LOAD-PIC-HELLI-35	03422	03422	03422
03372	03423	SET-LOAD-PIC-HELLI-36	03423	03423	03423
03373	03424	SET-LOAD-PIC-HELLI-37	03424	03424	03424
03374	03425	SET-LOAD-PIC-HELLI-38	03425	03425	03425
03375	03426	SET-LOAD-PIC-HELLI-39	03426	03426	03426
03376	03427	SET-LOAD-PIC-HELLI-40	03427	03427	03427
03377	03428	SET-LOAD-PIC-HELLI-41	03428	03428	03428
03378	03429	SET-LOAD-PIC-HELLI-42	03429	03429	03429
03379	03430	SET-LOAD-PIC-HELLI-43	03430	03430	03430
03380	03431	SET-LOAD-PIC-HELLI-44	03431	03431	03431
03381	03432	SET-LOAD-PIC-HELLI-45	03432	03432	03432
03382	03433	SET-LOAD-PIC-HELLI-46	03433	03433	03433
03383	03434	SET-LOAD-PIC-HELLI-47	03434	03434	03434
03384	03435	SET-LOAD-PIC-HELLI-48	03435	03435	03435
03385	03436	SET-LOAD-PIC-HELLI-49	03436	03436	03436
03386	03437	SET-LOAD-PIC-HELLI-50	03437	03437	03437
03387	03438	SET-LOAD-PIC-HELLI-51	03438	03438	03438
03388	03439	SET-LOAD-PIC-HELLI-52	03439	03439	03439
03389	03440	SET-LOAD-PIC-HELLI-53	03440	03440	03440
03390	03441	SET-LOAD-PIC-HELLI-54	03441	03441	03441
03391	03442	SET-LOAD-PIC-HELLI-55	03442	03442	03442
03392	03443	SET-LOAD-PIC-HELLI-56	03443	03443	03443
03393	03444	SET-LOAD-PIC-HELLI-57	03444	03444	03444
03394	03445	SET-LOAD-PIC-HELLI-58	03445	03445	03445
03395	03446	SET-LOAD-PIC-HELLI-59	03446	03446	03446

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03396 MOVE A TO H54-ITEM2.
03397 ADD 1 TO HELI-CNTR-PK1.
03398 IF HELI-CNTR-PK1 GREATER THAN HELI-CNTR-PK1
03399 MOVE SPACES TO H54-R3
03400 ELSE COMPUTE A = 1 + HELI-CNTR-PK1 - 1
03401 MOVE A TO H54-ITEM3.
03402 GO TO SET-LOAD-PIC-HELI-9.
03403 SET-LOAD-PIC-HELI-9.
03404 ADD 1 TO HELI-CNTR-PK2.
03405 IF HELI-CNTR-PK2 GREATER THAN HELI-CNTR-PK2
03406 MOVE SPACES TO H54-R
03407 GO TO SET-LOAD-PIC-HELI-9.
03408 COMPUTE A = 1 + HELI-CNTR-PK1 + HELI-CNTR-PK2 - 2.
03409 MOVE A TO H54-ITEM4.
03410 ADD 1 TO HELI-CNTR-PK2.
03411 IF HELI-CNTR-PK2 GREATER THAN HELI-CNTR-PK2
03412 MOVE SPACES TO H54-R2 H54-R3
03413 GO TO SET-LOAD-PIC-HELI-9.
03414 COMPUTE A = 1 + HELI-CNTR-PK1 + HELI-CNTR-PK2 - 2.
03415 MOVE A TO H54-ITEM5.
03416 ADD 1 TO HELI-CNTR-PK2.
03417 IF HELI-CNTR-PK2 GREATER THAN HELI-CNTR-PK2
03418 MOVE SPACES TO H54-R3
03419 ELSE COMPUTE A = 1 + HELI-CNTR-PK1 + HELI-CNTR-PK2 - 2
03420 MOVE A TO H54-ITEM6.
03421 GO TO SET-LOAD-PIC-HELI-9.
03422 SET-LOAD-PIC-HELI-9.
03423 ADD 1 TO Z.
03424 ADD 1 TO K.
03425 MOVE H54-CHAR (Z) TO OUTLINE (K).
03426 IF Z = 15
03427 GO TO SET-LOAD-PIC-13.
03428 GO TO SET-LOAD-PIC-HELI-9.
03429 HELI * HELI * HELI * HELI * HELI * HELI *
03430 *****
03431 SCHEMATIC-EXIT.
03432 MOVE ALL "-" TO DATA-LINE.
03433 WRITE PRINTER-RECORD AFTER ADVANCING 1.
03434 WRITE PRINTER-RECORD FROM LINE6 AFTER ADVANCING 1.
03435 MOVE ALL "-" TO DATA-LINE.
03436 WRITE PRINTER-RECORD AFTER ADVANCING 1.
03437 COMPUTE LINE-COUNT = LINE-COUNT + 5.
03438 COMPUTE CARGO-1.
03439 IF 1 NOT LESS THAN NO-LOADED, GO TO MANIFEST-CARGO-EXIT.
03440 MOVE "-" TO FACING-STATEMENT.
03441 ADD 1 TO I.
03442 MOVE ITEM-NO IN LOCATION (I) TO J.
03443 MOVE EQUIP-LOAD (J) TO BUFFER.
03444 MOVE ZERO TO BIAS.
03445 IF 1 GREATER THAN PK1-LOC
03446 AND PK1-LOC GREATER THAN 0
03447 COMPUTE BIAS = HELI-CNTR-PK1 - 1.
03448 IF 1 GREATER THAN PK2-LOC
03449 AND PK2-LOC GREATER THAN 0
03450 COMPUTE BIAS = BIAS + HELI-CNTR-PK2 - 1.
03451 COMPUTE A = 1 + BIAS.
03452 MOVE A TO ITEM-NO IN LINE1-N.
03396 LOAD 3397 0399 0388
03397 LOAD 3398 0397
03398 LOAD 3399 0397
03399 LOAD 3400 0364
03400 LOAD 3401 0396 0399 0240 0397
03401 LOAD 3402 0399 0390
03402 LOAD 3403
03403 LOAD 3404
03404 LOAD 3405 0398
03405 LOAD 3406 0398
03406 LOAD 3407 0365
03407 LOAD 3408 0393
03408 LOAD 3409 0399 0240 0364 0398
03409 LOAD 3410 0399 0386
03410 LOAD 3411 0398
03411 LOAD 3412 0398
03412 LOAD 3413 0365 0395
03413 LOAD 3414 0396
03414 LOAD 3415 0399 0240 0364 0398
03415 LOAD 3416 0399 0388
03416 LOAD 3417 0398
03417 LOAD 3418 0398
03418 LOAD 3419 0365
03419 LOAD 3420 0396 0399 0240 0364
03420 LOAD 3421 0399 0390
03421 LOAD 3422
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03424 LOAD 3425 0242
03425 LOAD 3426 0392 0246 0567 0242
03426 LOAD 3427 0246
03427 LOAD 3428
03428 LOAD 3429
03429 LOAD 3430
03430 LOAD 3431
03431 LOAD 3432
03432 LOAD 3433 0176
03433 LOAD 3434 0174
03434 LOAD 3435 0174 0776
03435 LOAD 3436 0176
03436 LOAD 3437 0174
03437 LOAD 3438 0210 0210
03438 LOAD 3439
03439 LOAD 3440 0240 0217
03440 LOAD 3441 0855
03441 LOAD 3442 0240
03442 LOAD 3443 0462 0240 0241
03443 LOAD 3444 0426 0241 0491
03444 LOAD 3445 0400
03445 LOAD 3446 0240
03446 LOAD 3447 0401 0401
03447 LOAD 3448 0400 0364
03448 LOAD 3449 0240
03449 LOAD 3450 0402
03450 LOAD 3451 0400 0400 0365
03451 LOAD 3452 0399 0240 0400
03452 LOAD 3453 0399 0821
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03453 034530 IF LOAD-FLAG IN EQUIP-LOAD (J) = "H"
03454 034540 GO TO HELI-MANIFEST-CARGO.
03455 034550 MOVE SPACES TO SR-FF-SH-LINE.
03456 034560 MOVE " " TO 3-FF-FILLER.
03457 034570 WRITE PRINTER-RECORD AFTER ADVANCING 1.
03458 034580 IF LOAD-FLAG IN EQUIP-LOAD (J) = "T"
03459 034590 MOVE SPACES TO UID IN LINE1-N
03460 034600 ELSE
03461 034610 MOVE UID IN PRIORITIES (PR-NO IN BUFFER) TO UID IN LINE1-N.
03462 034620 MOVE NAME IN BUFFER TO NMEM-1.
03463 034630 MOVE BUMP-NO IN BUFFER TO BUMP-NO IN LINE1-N.
03464 034640 MOVE WT IN BUFFER TO WEIGHT IN LINE1-N.
03465 034650 MOVE LTH IN BUFFER TO LTH IN LINE1-N.
03466 034660 MOVE MTH IN BUFFER TO MTH IN LINE1-N.
03467 034670 MOVE MTH IN BUFFER TO MTH IN LINE1-N.
03468 034680 MOVE CG-X IN LOCATION (J) TO CG-X IN LINE1-N.
03469 034690 COMPUTE XMEMT = CG-X IN LOCATION (J) * WT IN BUFFER.
03470 034700 COMPUTE XMEMT = XMEMT + CG-X IN LOCATION (J)
03471 034710 * WT IN BUFFER.
03472 034720 COMPUTE GROSS = GROSS + WT IN BUFFER.
03473 034730 COMPUTE HOLD-XAREA = (LTH IN BUFFER * MTH IN BUFFER) / 1641.
03474 034740 ADD HOLD-XAREA TO XAREA.
03475 034750 ADD HOLD-XAREA TO XAREA.
03476 034760 IF LOAD-FLAG IN EQUIP-LOAD (J) = "H"
03477 034770 SUBTRACT HOLD-XAREA FROM XAREA
03478 034780 COMPUTE HOLD-XAREA =
03479 034790 ((LTH IN BUFFER * SSAM IN BUFFER) * MTH IN BUFFER)
03480 034800 / 1641
03481 034810 MOVE HOLD-XAREA TO XAREA.
03482 034820 ADD HOLD-XAREA TO XAREA.
03483 034830 IF FACING = "FND", COMPUTE FND-FUS = CG-X IN LOCATION (J)
03484 034840 * CGC IN BUFFER.
03485 034850 IF FACING = "AFT", COMPUTE FND-FUS = CG-X IN LOCATION (J)
03486 034860 * CGC IN BUFFER.
03487 034870 MOVE COMMENTS-C TO NMEM-2.
03488 034880 IF LOK-FLAG (J) = "F"
03489 034890 MOVE "FF" TO FS-FF
03490 034900 COMPUTE FND-FUS = CG-X IN LOCATION (J) * CGC IN BUFFER.
03491 034910 IF XCODE IN BUFFER = 5 OR
03492 034920 XCODE IN BUFFER GREATER THAN 9
03493 034930 MOVE "SR" TO FS-SR.
03494 034940 IF SPEC-HAND = "SPEC HOL"
03495 034950 MOVE "SH" TO FS-SH.
03496 034960 WRITE PRINTER-RECORD FROM LINE1-N AFTER ADVANCING 1.
03497 034970 ADD 2 TO LINE-COUNT.
03498 034980 IF LINE-COUNT LESS THAN LNCMT, GO TO MANIFEST-CARGO-1.
03499 034990 PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.
03500 035000 ADD 1 TO ITERATIONS.
03501 035010 MOVE ITERATIONS TO PAGE-NO.
03502 035020 WRITE PRINTER-RECORD FROM LINE1 AFTER ADVANCING 2.
03503 035030 WRITE PRINTER-RECORD FROM LINE2 AFTER ADVANCING 1.
03504 035040 WRITE PRINTER-RECORD FROM LINE3 AFTER ADVANCING 1.
03505 035050 MOVE ALL " " TO DATA-LINE.
03506 035060 WRITE PRINTER-RECORD AFTER ADVANCING 1.
03507 035070 MOVE 8 TO LINE-COUNT.
03508 035080 GO TO SCHEMATIC-EXIT.
03509 035090 *****
03510 035100 *****
03511 035110 *****
03512 035120 *****
03513 035130 *****
03514 035140 *****
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03880 038800 *****
03881 038810 *****
03882 038820 *****
03883 038830 *****
03884 038840 *****
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03887 038870 *****
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03896 038960 *****
03897 038970 *****
03898 038980 *****
03899 038990 *****
03900 039000 *****
03901 039010 *****
03902 039020 *****
03903 039030 *****
03904 039040 *****
03905 039050 *****
03906 039060 *****
03907 039070 *****
03908 039080 *****
03909 039090 *****
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03911 039110 *****
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03915 039150 *****
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03921 039210 *****
03922 039220 *****
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03936 039360 *****
03937 039370 *****
03938 039380 *****
03939 039390 *****
03940 039400 *****
03941 039410 *****
03942 039420 *****
03943 039430 *****
03944 039440 *****
03945 039450 *****
03946 039460 *****
03947 039470 *****
03948 039480 *****
03949 039490 *****
03950 039500 *****
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03957 039570 *****
03958 039580 *****
03959 039590 *****
03960 039600 *****
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03962 039620 *****
03963 039630 *****
03964 039640 *****
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03966 039660 *****
03967 039670 *****
03968 039680 *****
03969 039690 *****
03970 039700 *****
03971 039710 *****
03972 039720 *****
03973 039730 *****
03974 039740 *****
03975 039750 *****
03976 039760 *****
03977 039770 *****
03978 039780 *****
03979 039790 *****
03980 039800 *****
03981 039810 *****
03982 039820 *****
03983 039830 *****
03984 039840 *****
03985 039850 *****
03986 039860 *****
03987 039870 *****
03988 039880 *****
03989 039890 *****
03990 039900 *****
03991 039910 *****
03992 039920 *****
03993 039930 *****
03994 039940 *****
03995 039950 *****
03996 039960 *****
03997 039970 *****
03998 039980 *****
03999 039990 *****
04000 040000 *****

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03624 MOVE PASS-WT TO HEIGHT IN LINE1-N.
03625 IF AC-MOD IN AIRCRAFT-DATA = "C-130" OR
03626 AC-MOD IN AIRCRAFT-DATA = "C-141"
03627 GO TO MANIFEST-CARGO-EXIT-1.
03628 MOVE 1741 TO CG-X IN LINE1-N.
03629 COMPUTE X-MOMENT = PASS-WT * 1741.
03630 MANIFEST-CARGO-EXIT-1.
03631 WRITE PRINTER-RECORD FROM LINE1-N AFTER ADVANCING 1.
03632 MOVE ALL "" TO DATA-LINE
03633 WRITE PRINTER-RECORD AFTER ADVANCING 1.
03634 MOVE SPACES TO LINE1-N. MOVE "T U T A L S" TO NOMENCLATURE
03635 IN LINE1-N.
03636 COMPUTE GROSS = GROSS + PASS-WT.
03637 MOVE GROSS TO HEIGHT IN LINE1-N.
03638 IF AC-MOD IN AIRCRAFT-DATA = "C-130" OR
03639 AC-MOD IN AIRCRAFT-DATA = "C-141"
03640 COMPUTE X-MOMENT = MOMENT
03641 COMPUTE CG-X IN LINE1-N = MOMENT / (GROSS + PASS-WT)
03642 ELSE
03643 COMPUTE X-MOMENT = MOMENT * PASS-WT * 1741
03644 COMPUTE CG-X IN LINE1-N = (MOMENT + PASS-WT * 1741)
03645 / GROSS.
03646 WRITE PRINTER-RECORD FROM LINE1-N AFTER ADVANCING 1.
03647 COMPUTE LINE-COUNT = LINE-COUNT + 6.
03648 COMPUTE TEMP-WORK = LNCNT - 10.
03649 IF LINE-COUNT GREATER THAN TEMP-WORK PERFORM MANIFEST-OPEN.
03650 MANIFEST-CLOSE.
03651 MOVE ALL "" TO DATA-LINE.
03652 WRITE PRINTER-RECORD AFTER ADVANCING 2.
03653 WRITE PRINTER-RECORD FROM LINE7 AFTER ADVANCING 1.
03654 MOVE DATE-AREA TO DATE-PREP.
03655 WRITE PRINTER-RECORD FROM LINE8 AFTER ADVANCING 1.
03656 MOVE ALL "" TO DATA-LINE.
03657 WRITE PRINTER-RECORD AFTER ADVANCING 1.
03658 MOVE SPACES TO DATE-PREP.
03659 WRITE PRINTER-RECORD FROM LINE9 AFTER ADVANCING 1.
03660 WRITE PRINTER-RECORD FROM LINE8 AFTER ADVANCING 1.
03661 MOVE ALL "" TO DATA-LINE.
03662 WRITE PRINTER-RECORD AFTER ADVANCING 1.
03663 WRITE PRINTER-RECORD FROM LINE10 AFTER ADVANCING 1.
03664 WRITE PRINTER-RECORD FROM LINE8 AFTER ADVANCING 1.
03665 MOVE ALL "" TO DATA-LINE.
03666 WRITE PRINTER-RECORD AFTER ADVANCING 1.
03667 MOVE 0 TO I.
03668 MOVE 0 TO L.
03669 PASS-MANIFEST.
03670 IF THERE ARE NO PASSENGERS AVOID THIS SECTION.
03671 IF PAX-LOADED = 0 GO TO MANIFEST-EXIT.
03672 PERFORM MANIFEST-OPEN.
03673 IF R-PAX-NOT-LOADED NOT = ZERO PERFORM REQUIRED-PAX-PROBLEM.
03674 WRITE PRINTER-RECORD FROM RUN1 AFTER ADVANCING 2.
03675 MOVE ALL "" TO DATA-LINE.
03676 WRITE PRINTER-RECORD AFTER ADVANCING 1.
03677 WRITE PRINTER-RECORD FROM ROWS AFTER ADVANCING 1.
03678 MOVE ALL "" TO DATA-LINE.
03679 WRITE PRINTER-RECORD FROM ROWS AFTER ADVANCING 1.
03680 MOVE ALL "" TO DATA-LINE.

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03624LOAD 3625 0223 0844  
03625LOAD 3626 0085  
03626LOAD 3627 0085  
03627LOAD 3628  
03628LOAD 3629 0846  
03629LOAD 3630 0848 0223  
03630LOAD 3631  
03631LOAD 3632 0174 0818  
03632LOAD 3633  
03633LOAD 3634 0176 0174  
03634LOAD 3635 0818  
03635LOAD 3636 0826  
03636LOAD 3637 0228 0228 0223  
03637LOAD 3638 0228 0846  
03638LOAD 3639 0085  
03639LOAD 3640 0085  
03640LOAD 3641 0848  
03641LOAD 3642 0252 0846 0252 0228  
03642LOAD 3643 0223  
03643LOAD 3644 0848 0252 0223  
03644LOAD 3645 0846 0752 0223  
03645LOAD 3646 0228  
03646LOAD 3647 0174 0818  
03647LOAD 3648 0210 0210  
03648LOAD 3649 0262 0592  
03649LOAD 3650 0210 0262  
03650LOAD 3651  
03651LOAD 3652 0176  
03652LOAD 3653 0174  
03653LOAD 3654 0174 0783  
03654LOAD 3655 0104 0791  
03655LOAD 3656 0174 0788  
03656LOAD 3657 0176  
03657LOAD 3658 0174  
03658LOAD 3659 0791  
03659LOAD 3660 0174 0792  
03660LOAD 3661 0174 0788  
03661LOAD 3662 0176  
03662LOAD 3663 0174  
03663LOAD 3664 0174 0795  
03664LOAD 3665 0174 0788  
03665LOAD 3666 0176  
03666LOAD 3667 0174  
03667LOAD 3668 0240  
03668LOAD 3669 0243  
03669LOAD 3670  
03670LOAD 3671  
03671LOAD 3672  
03672LOAD 3673  
03673LOAD 3674 0214  
03674LOAD 3675  
03675LOAD 3676 0216  
03676LOAD 3677 0174 0864  
03677LOAD 3678 0176  
03678LOAD 3679 0174  
03679LOAD 3680 0174 0867  
03680LOAD 3681 0176



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03681 036810 WRITE PRINTER-RECORD AFTER ADVANCING 1.
03682 036820 COMPUTE LINE-COUNT = LINE-COUNT + 5.
03683 036830 PASS-MANIFEST-1.
03684 036840 IF 1 NOT LESS THAN MU-PASS GO TO PASS-MANIFEST-EXIT.
03685 036850 ADD 1 TO 1.
03686 036860 IF SIZE-CODE IN PASS-LOAD (1) NOT = "0",
GO TO PASS-MANIFEST-1.
03687 036870 ADD 1 TO L.
03688 036880 MOVE L TO LINE-NO IN ROW6-N.
03689 036890 MOVE PASS-LOAD (1) TO BUFFER.
03690 036900 MOVE RANK IN BUFFER TO RANK IN ROW6-N.
03691 036910 MOVE NAME IN BUFFER TO NAME IN ROW6-N.
03692 036920 MOVE SSN IN BUFFER TO SSN IN ROW6-N.
03693 036930 MOVE WT IN BUFFER TO WEIGHT IN ROW6-N.
03694 036940 MOVE PR-NO IN BUFFER TO TEMP.
03695 036950 MOVE UID IN PRIORITIES (TEMP) TO UID IN ROW6-N.
03696 036960 MOVE BUMP-NO IN BUFFER TO BUMP-NO IN ROW6-N.
03697 036970 MOVE COMMENTS-C TO NAME-C.
03698 036980 MOVE SPACES TO COMMENTS-C.
03699 036990 MOVE COMMENTS IN BUFFER TO COMMENTS IN ROW6-N.
03700 037000 WRITE PRINTER-RECORD FROM ROW6-N AFTER ADVANCING 1.
03701 037010 ADD 1 TO LINE-COUNT.
03702 037020 IF LINE-COUNT LESS THAN LNCNT, GO TO PASS-MANIFEST-1.
03703 037030 GO TO PASS-MANIFEST.
03704 037040 REQUIRED-PAX-PROBLEM.
03705 037050 MOVE SPACES TO PRINTER-RECORD.
03706 037060 WRITE PRINTER-RECORD AFTER 2.
03707 037070 WRITE PRINTER-RECORD FROM PROB-L1 AFTER 1.
03708 037080 WRITE PRINTER-RECORD FROM PROB-L1 AFTER 1.
03709 037090 WRITE PRINTER-RECORD FROM PROB-L1 AFTER 1.
03710 037100 WRITE PRINTER-RECORD FROM PROB-L1 AFTER 1.
03711 037110 WRITE PRINTER-RECORD FROM PROB-L1 AFTER 1.
03712 037120 WRITE PRINTER-RECORD FROM PROB-L1 AFTER 1.
03713 037130 MOVE R-PAX-NOT-LOADED TO PAX-FLD.
03714 037140 MOVE PROB-P1 TO PROB-PHASE.
03715 037150 WRITE PRINTER-RECORD FROM PROB-L2 AFTER 1.
03716 037160 MOVE PROB-P2 TO PROB-PHASE.
03717 037170 WRITE PRINTER-RECORD FROM PROB-L2 AFTER 1.
03718 037180 MOVE PROB-P3 TO PROB-PHASE.
03719 037190 WRITE PRINTER-RECORD FROM PROB-L2 AFTER 1.
03720 037200 MOVE PROB-P4 TO PROB-PHASE.
03721 037210 WRITE PRINTER-RECORD FROM PROB-L2 AFTER 1.
03722 037220 MOVE PROB-P5 TO PROB-PHASE.
03723 037230 WRITE PRINTER-RECORD FROM PROB-L2 AFTER 1.
03724 037240 WRITE PRINTER-RECORD FROM PROB-L1 AFTER 1.
03725 037250 WRITE PRINTER-RECORD FROM PROB-L1 AFTER 1.
03726 037260 WRITE PRINTER-RECORD FROM PROB-L1 AFTER 1.
03727 037270 WRITE PRINTER-RECORD FROM PROB-L1 AFTER 1.
03728 037280 WRITE PRINTER-RECORD FROM PROB-L1 AFTER 1.
03729 037290 ADD 17 TO LINE-COUNT.
03730 037300 PASS-MANIFEST-EXIT.
03731 037310 MOVE ALL "-" TO DATA-LINE.
03732 037320 WRITE PRINTER-RECORD AFTER ADVANCING 1.
03733 037330 MOVE SPACES TO ROW6-N. MOVE "1" D T A L 5- TO NAME IN ROW6-N.
03734 037340 MOVE PASS-WT TO WEIGHT IN ROW6-N.
03735 037350 WRITE PRINTER-RECORD FROM ROW6-N AFTER ADVANCING 1.
03736 037360 COMPUTE LINE-COUNT = LINE-COUNT + 2.
03737 037370 COMPUTE TEMP-WORK = LNCNT - 11.
03681000 3682 0174
03682000 3683 0210 0210
03683000 3684
03684000 3685 0260 0213
03685000 3686 0260
03686000 3687 0456 0260
03687000 3688
03688000 3689 0283
03689000 3690 0263 0875
03690000 3691 0447 0260 0491
03691000 3692 0496 0877
03692000 3693 0495 0879
03693000 3694 0504 0882
03694000 3695 0505 0884
03695000 3696 0497 0267
03696000 3697 0410 0267 0886
03697000 3698 0498 0888
03698000 3699 0501 0880
03699000 3700 0501
03700000 3701 0500 0890
03701000 3702 0174 0874
03702000 3703 0210
03703000 3704 0210 0592
03704000 3705
03705000 3706
03706000 3707 0174
03707000 3708 0174 0891
03708000 3709 0174 0891
03709000 3710 0174 0891
03710000 3711 0174 0891
03711000 3712 0174 0891
03712000 3713 0174 0891
03713000 3714 0216 0909
03714000 3715 0902 0899
03715000 3716 0174 0896
03716000 3717 0904 0899
03717000 3718 0174 0896
03718000 3719 0906 0899
03719000 3720 0174 0896
03720000 3721 0908 0899
03721000 3722 0174 0896
03722000 3723 0912 0899
03723000 3724 0174 0896
03724000 3725 0174 0891
03725000 3726 0174 0891
03726000 3727 0174 0891
03727000 3728 0174 0891
03728000 3729 0174 0891
03729000 3730 0210
03730000 3731
03731000 3732 0174
03732000 3733 0174
03733000 3734 0874 0879
03734000 3735 0223 0884
03735000 3736 0174 0874
03736000 3737 0210 0210
03737000 3738 0262 0592

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037950 MOVE 0 TO MOD-PLCG.
037960 MOVE 0 TO FACING-FLAG.
037970 IF LOAD-PLAN-HOLD = ZEROS GO TO CK-CREATE-PAL.
037980 HELI PACKAGE ROUTINE
037990 ****
038000 ****
038010 MOVE LOAD-PLAN-HOLD TO HELI-LOAD-KEC.
038020 IF HELI-ADD-CARGO-IND = ZEROS MOVE ZEROS TO NU-EQUIP.
038030 HELI-PB-PKI-ROUTINE.
038040 PERFORM HELI-PB-LOAD.
038050 CHECK FOR TWO HELI PACKAGES (IF NOT TWO GO TO EXIT)
038060 IF HELI-PKG (2) = ZEROS GO TO HELI-POSITION-EXIT.
038070 MOVE GROSS TO HNT-HLD.
038080 PERFORM HELI-PB-LOAD.
038090 GO TO HELI-POSITION-EXIT.
038100 HELI-PB-LOAD.
038110 ADD 1 TO N.
038120 ADD 1 TO NU-EQUIP.
038130 MOVE ZEROS TO EQUIP-LOAD (IND-EQUIP) MOMENT GROSS SUB 2.
038140 MOVE N TO SSAN IN EQUIP-LOAD (IND-EQUIP).
038150 MOVE "H" TO LOAD-FLAG IN EQUIP-LOAD (IND-EQUIP).
038160 IF PLANNING-CG LESS THAN ORIG-PLCG.
038170 COMPUTE MOD-PLCG = PLANNING-CG - ORIG-PLCG
038180 ELSE
038190 COMPUTE MOD-PLCG = ORIG-PLCG - PLANNING-CG.
038200 IF HELI-PKG (2) NOT = ZEROS MOVE 0 TO MOD-PLCG.
038210 PERFORM HELI-PB-CALC-MNT-GRS 16 TIMES.
038220 MOVE GROSS TO WT IN EQUIP-LOAD (IND-EQUIP).
038230 MOVE HELI-PKG-LENGTH (N) TO LTH IN EQUIP-LOAD (IND-EQUIP).
038240 MOVE HELI-PKG-WIDTH (N) TO WTH IN EQUIP-LOAD (IND-EQUIP).
038250 COMPUTE CGC IN EQUIP-LOAD (IND-EQUIP) ROUNDED =
038260 MOMENT / GROSS = HELI-PKG-FES (N) * MOD-PLCG.
038270 MOVE NU-EQUIP TO ITEM-NO IN LOKATION (N).
038280 COMPUTE X-FORWARD IN LOKATION (N) = HELI-PKG-FES (N) *
038290 MOD-PLCG.
038300 COMPUTE X-ATY IN LOKATION (N) = HELI-PKG-LENGTH (N).
038310 X-FORWARD IN LOKATION (N) + HELI-PKG-LENGTH (N).
038320 COMPUTE CG-X IN LOKATION (N) ROUNDED = MOMENT / GROSS.
038330 COMPUTE CG-Y IN LOKATION (N) = HELI-PKG-WIDTH (N) / 2.
038340 HELI-PKG-IN-FRM-RIGHT (N).
038350 COMPUTE Y-RIGHT IN LOKATION (N) =
038360 HELI-PKG-IN-FRM-RIGHT (N).
038370 COMPUTE Y-LEFT IN LOKATION (N) =
038380 HELI-PKG-IN-FRM-RIGHT (N) + HELI-PKG-WIDTH (N).
038390 IF HELI-PKG (2) = ZEROS
038400 MOVE "H" TO LOK-FLAG IN LOKATION (N) ELSE
038410 MOVE "S" TO LOK-FLAG IN LOKATION (N).
038420 HELI-PB-CALC-MNT-GRS.
038430 ADD 1 TO SUB 2.
038440 IF HELI-P-P (N, SUB 2) NOT = ZEROS
038450 COMPUTE GROSS = GROSS + HELI-WT (N, SUB 2)
038460 COMPUTE MOMENT = MOMENT +
038470 (HELI-WT (N, SUB 2) * (HELI-CGFS (SUB 2) * MOD-PLCG)).
038480 HELI-POSITION-EXIT.
038490 COMPUTE GROSS = GROSS + HNT-HLD.
038500 COMPUTE XAREA = (HELI-PKG-LENGTH (1) * HELI-PKG-WIDTH (1))
038510 * (HELI-PKG-LENGTH (2) * HELI-PKG-WIDTH (2)) / 144.
038520
037950LOAD 3796 0190
037960LOAD 3797 0232
037970LOAD 3798 0340
037980LOAD 3799
037990LOAD 3800
038000LOAD 3801
038010LOAD 3802 0340 0143
038020LOAD 3803 0152 0212
038030LOAD 3804
038040LOAD 3805
038050LOAD 3806
038060LOAD 3807 0154
038070LOAD 3808 0228 0358
038080LOAD 3809
038090LOAD 3810
038100LOAD 3811
038110LOAD 3812 0245
038120LOAD 3813 0212
038130LOAD 3814 0426 0212 0252 0228
038140LOAD 3815 0245 0438 0412
038150LOAD 3816 0435 0212
038160LOAD 3817 0929
038170LOAD 3818 0189 0190 0929
038180LOAD 3819 0189
038190LOAD 3820 0190 0189 0929
038200LOAD 3821 0154 0190
038210LOAD 3822
038220LOAD 3823 0228 0439 0212
038230LOAD 3824 0156 0245 0440 0212
038240LOAD 3825 0157 0245 0441 0212
038250LOAD 3826 0443 0212
038260LOAD 3827 0252 0228 0158 0245
038270LOAD 3828 0212 0442 0245
038280LOAD 3829 0443 0245 0158 0245
038290LOAD 3830 0190
038300LOAD 3831 0464 0245
038310LOAD 3832 0463 0245 0156 0245
038320LOAD 3833 0465 0245 0252 0228
038330LOAD 3834 0466 0245 0157 0245
038340LOAD 3835 0159 0245
038350LOAD 3836 0467 0245
038360LOAD 3837 0159 0245
038370LOAD 3838 0468 0245
038380LOAD 3839 0159 0245 0157 0245
038390LOAD 3840 0154
038400LOAD 3841 0470 0245
038410LOAD 3842 0470 0245
038420LOAD 3843
038430LOAD 3844 0357
038440LOAD 3845 0405 0245 0357
038450LOAD 3846 0228 0228 0407 0245
038460LOAD 3847 0252 0252
038470LOAD 3848 0407 0245 0357 0166
038480LOAD 3849
038490LOAD 3850 0228 0228 0358
038500LOAD 3851 0229 0156 0157
038510LOAD 3852 0156 0157

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03852	038520	CK-CREATE-PAL.	03852	038520	03852	038520	03852
03853	038530	IF COMF-PAL = 0 GO TO NO-CREATE.	03853	038530	03853	038530	03853
03854	038540	ADD 1 TO NO-EQUIP.	03854	038540	03854	038540	03854
03855	038550	ADD 1 TO N.	03855	038550	03855	038550	03855
03856	038560	MOVE ZEROS TO EQUIP-FLAG (NO-EQUIP).	03856	038560	03856	038560	03856
03857	038570	MOVE "T" TO LOAD-FLAG IN EQUIP-LOAD (NO-EQUIP).	03857	038570	03857	038570	03857
03858	038580	MOVE 99999999 TO EQUIP-KEY IN EQUIP-LOAD (NO-EQUIP).	03858	038580	03858	038580	03858
03859	038590	MOVE 3740 TO WT IN EQUIP-LOAD (NO-EQUIP).	03859	038590	03859	038590	03859
03860	038600	MOVE 88 TO LTH IN EQUIP-LOAD (NO-EQUIP).	03860	038600	03860	038600	03860
03861	038610	MOVE AC-WTH TO WTH IN EQUIP-LOAD (NO-EQUIP).	03861	038610	03861	038610	03861
03862	038620	MOVE 44 TO CGC IN EQUIP-LOAD (NO-EQUIP).	03862	038620	03862	038620	03862
03863	038630	MOVE "COMFORT PALLET" TO NAME IN EQUIP-LOAD (NO-EQUIP).	03863	038630	03863	038630	03863
03864	038640	MOVE SPACES TO COMMENT IN EQUIP-LOAD (NO-EQUIP).	03864	038640	03864	038640	03864
03865	038650	MOVE NO-EQUIP TO ITEM-NO IN LOCATION (N).	03865	038650	03865	038650	03865
03866	038660	MOVE FST-LDBL-STA TO X-AFT IN LOCATION (N).	03866	038660	03866	038660	03866
03867	038670	COMPUTE X-FORWARD IN LOCATION (N) = FST-LDBL-STA - 88.	03867	038670	03867	038670	03867
03868	038680	COMPUTE CG-X IN LOCATION (N) = FST-LDBL-STA - 44.	03868	038680	03868	038680	03868
03869	038690	COMPUTE CG-Y IN LOCATION (N) ROUNDED = AC-WTH / 2.	03869	038690	03869	038690	03869
03870	038700	MOVE 0 TO Y-RIGHT IN LOCATION (N).	03870	038700	03870	038700	03870
03871	038710	MOVE AC-WTH TO Y-LEFT IN LOCATION (N).	03871	038710	03871	038710	03871
03872	038720	MOVE "T" TO LDR-FLAG IN LOCATION (N).	03872	038720	03872	038720	03872
03873	038730	NO-CREATE.	03873	038730	03873	038730	03873
03874	038740	IF LOAD-PLAN-HOLD = ZEROS GO TO COUNT-LOAD.	03874	038740	03874	038740	03874
03875	038750	IF HELI-ADD-CARGO-IND = ZERO	03875	038750	03875	038750	03875
03876	038760	MOVE N TO NO-LOADED	03876	038760	03876	038760	03876
03877	038770	MOVE 0 TO DMLLC	03877	038770	03877	038770	03877
03878	038780	GO TO POSITION-AND-BALANCE-EXIT.	03878	038780	03878	038780	03878
03879	038790	COUNT-LOAD.	03879	038790	03879	038790	03879
03880	038800	MOVE ZEROS TO IND NO-PALLETS NO-ITEMS.	03880	038800	03880	038800	03880
03881	038810	CK-NEXT.	03881	038810	03881	038810	03881
03882	038820	ADD 1 TO IND.	03882	038820	03882	038820	03882
03883	038830	IF IND GREATER NO-EQUIP GO TO CK-FOR-PALLET-LOAD.	03883	038830	03883	038830	03883
03884	038840	IF LOAD-FLAG (IND) = "X" OR "H" OR "T" GO TO CK-NEXT.	03884	038840	03884	038840	03884
03885	038850	IF HTH IN EQUIP-LOAD (IND) GREATER AC-HTH GO TO NO-LOAD-II.	03885	038850	03885	038850	03885
03886	038860	IF WTH IN EQUIP-LOAD (IND) GREATER AC-WTH GO TO NO-LOAD-II.	03886	038860	03886	038860	03886
03887	038870	IF LTH IN EQUIP-LOAD (IND) GREATER AC-LTH GO TO NO-LOAD-II.	03887	038870	03887	038870	03887
03888	038880	IF XCODE IN EQUIP-LOAD (IND) = 23	03888	038880	03888	038880	03888
03889	038890	MOVE 3 TO XCODE IN EQUIP-LOAD (IND)	03889	038890	03889	038890	03889
03890	038900	GO TO PALLET.	03890	038900	03890	038900	03890
03891	038910	IF XCODE IN EQUIP-LOAD (IND) = 3 GO TO PALLET.	03891	038910	03891	038910	03891
03892	038920	IF LOAD-FLAG (IND) = "H" OR "X" GO TO NOT-CEN.	03892	038920	03892	038920	03892
03893	038930	IF WTH IN EQUIP-LOAD (IND) GREATER THAN CENTER-WT	03893	038930	03893	038930	03893
03894	038940	MOVE "C" TO LOAD-FLAG (IND)	03894	038940	03894	038940	03894
03895	038950	GO TO LOAD-CK-EXIT.	03895	038950	03895	038950	03895
03896	038960	NOT-CEN.	03896	038960	03896	038960	03896
03897	038970	IF XCODE IN EQUIP-LOAD (IND) NOT = 3 GO TO LOAD-CK-EXIT.	03897	038970	03897	038970	03897
03898	038980	ADD 1 TO NO-PALLETS.	03898	038980	03898	038980	03898
03899	038990	MOVE "P" TO LOAD-FLAG (IND).	03899	038990	03899	038990	03899
03900	039000	IF WT IN EQUIP-LOAD (IND) GREATER WTH-FILL	03900	039000	03900	039000	03900
03901	039010	GO TO LOAD-CK-EXIT.	03901	039010	03901	039010	03901
03902	039020	IF HTH IN EQUIP-LOAD (IND) GREATER HTH-FILL	03902	039020	03902	039020	03902
03903	039030	GO TO LOAD-CK-EXIT.	03903	039030	03903	039030	03903
03904	039040	IF LTH IN EQUIP-LOAD (IND) GREATER LTH-FILL	03904	039040	03904	039040	03904
03905	039050	GO TO LOAD-CK-EXIT.	03905	039050	03905	039050	03905
03906	039060	MOVE "R" TO LOAD-FLAG (IND).	03906	039060	03906	039060	03906
03907	039070	GO TO LOAD-CK-EXIT.	03907	039070	03907	039070	03907
03908	039080	NO-LOAD-II.	03908	039080	03908	039080	03908



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039090 MOVE "X" TO LOAD-FLAG (IND).
039100 LOAD-CK-EXIT.
039110 IF LOAD-FLAG (IND) NOT = "X" ADD 1 TO NO-ITEMS.
039120 GO TO CK-NEXT.
039130 CK-FOR-PALLET-LOAD.
039140 MOVE N TO NO-LOADED.
039150 IF NO-PALLETS LESS THAN MAX-PALLETS GO TO LOAD-EQUIP.
039160 IF LOAD-PLAN-HOLD NOT = ZEROS GO TO LOAD-EQUIP.
039170 IF AC-MOD IN AIRCRAFT-DATA = "C-5"
039180 AND LOADING-METHOD = 1 GO TO LOAD-EQUIP.
039190 IF AC-MOD IN AIRCRAFT-DATA = "C-141"
039200 AND LOADING-METHOD = 1 GO TO LOAD-EQUIP.
039210 GO TO LOAD-ONLY-PALLETS.
039220 LOAD-EQUIP.
039230
039240
039250
039260
039270
039280
039290
039300 RESET-IND.
039310 MOVE ZEROS TO GROSS MOMENT XAREA.
039320 MOVE 1 TO IND.
039330 PERFORM CALC-MOMENT NO-LOADED TIMES.
039340 IF GROSS = 0 MOVE 1 TO GROSS.
039350 COMPUTE CG STAND ROUNDED = MOMENT / GROSS.
039360 IF CG STAND = 0 MOVE PLANNING-CG TO CGSTAND.
039370 NEXT-ITEM.
039380 ADD 1 TO IND.
039390 MOVE "0" TO MID-LOK-FLAG.
039400 IF LOADED-FLAG = 0 AND IND NOT = 1
039410 AND NO-ITER NOT = 0 GO TO CK-BALANCE.
039420 IF IND GREATER NO-EQUIP GO TO CK-BALANCE.
039430 IF LOAD-FLAG (IND) = "X" GO TO NEXT-ITEM.
039440 IF LOAD-FLAG (IND) = "H" GO TO NEXT-ITEM.
039450 IF LOAD-FLAG (IND) = "M" GO TO NEXT-ITEM.
039460 IF LOAD-FLAG (IND) = "T" GO TO NEXT-ITEM.
039470 IF WT IN EQUIP-LOAD (IND) + GROSS GREATER
039480 ALN-WT IN AIRCRAFT-DATA GO TO NEXT-ITEM.
039490 IF WTH IN EQUIP-LOAD (IND) * LTH IN EQUIP-LOAD (IND) / 144 +
039500 XAREA GREATER AREA-AC GO TO NEXT-ITEM.
039510 COMPUTE HALF-TIE-X = TIE-X / 2 + SHIFT-X.
039520 COMPUTE HALF-TIE-Y = TIE-Y / 2 + SHIFT-Y.
039530 COMPUTE ITEM-CENTER ROUNDED = WTH IN EQUIP-LOAD (IND) / 2.
039540 COMPUTE AC-CENTER ROUNDED = AC-WTH / 2.
039550 SET RETURN-FLAG = 3 LOAD PALLETS ON RAMP FIRST THEN DECK
039560 SET RETURN-FLAG = 4 LOAD PALLETS ON RAMP ONLY
039570 IF XCODE IN EQUIP-LOAD (IND) GREATER THAN 20
039580 SUBTRACT 20 FROM XCODE IN EQUIP-LOAD (IND)
039590 GO TO CENTER-LOAD.
039600 IF XCODE IN EQUIP-LOAD (IND) = 3 MOVE 4 TO RETURN-FLAG
039610 GO TO LOAD-RAMP-PALLETS.
039620 IF LOAD-FLAG IN EQUIP-LOAD (IND) = "R" GO TO RAMP-LOAD.
039630 IF LOAD-FLAG (IND) NOT = "C" GO TO LOAD-ITEM.
039640 CENTER-LOAD.
039650 IF XCODE IN EQUIP-LOAD (IND) NOT = 10 GO TO CENTER-LINE-DECK.
039090 3910 0435 0266
039100 3911
039110 3912 0435 0266 0291
039120 3913
039130 3914
039140 3915 0245 0217
039150 3916 0257 0959
039160 3917 0340
039170 3918 0085
039180 3919 0209
039190 3920 0085
039200 3921 0209
039210 3922
039220 3923
039230 3924
039240 3925
039250 3926
039260 3927
039270 3928 0257 0212
039280 3929 0187
039290 3930 0266
039300 3931
039310 3932 0228 0252 0229
039320 3933 0267
039330 3934 0217
039340 3935 0228 0228
039350 3936 0220 0252 0228
039360 3937 0220 0929 0220
039370 3938
039380 3939 0266
039390 3940 0295
039400 3941 0294 0266
039410 3942 0952
039420 3943 0266 0212
039430 3944 0435 0266
039440 3945 0435 0266
039450 3946 0435 0266
039460 3947 0435 0266
039470 3948 0439 0266 0228
039480 3949 0090
039490 3950 0441 0266 0440 0266
039500 3951 0229 0227
039510 3952 0268 0946 0950
039520 3953 0269 0947 0951
039530 3954 0276 0441 0266
039540 3955 0277 0926
039550 3956
039560 3957
039570 3958 0437 0266
039580 3959 0437 0266
039590 3960
039600 3961 0437 0266
039610 3962 0293
039620 3963 0435 0266
039630 3964 0435 0266
039640 3965
039650 3966 0437 0266

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03966 MOVE INCT-Y TO HALF-TIE-Y.
03967 COMPUTE TEMP-TIE = AC-CENTER - ITEM-CENTER.
03968 IF TEMP-TIE LESS HALF-TIE-Y MOVE TEMP-TIE TO HALF-TIE-Y.
03969 CENTER-LINE-DECK.
03970
03971 COMPUTE RIGHT-Y = AC-CENTER - ITEM-CENTER - HALF-TIE-Y.
03972 COMPUTE LEFT-Y = AC-CENTER + ITEM-CENTER + HALF-TIE-Y.
03973 IF LEFT-Y GREATER THAN AC-WTH
03974 MOVE 0 TO RIGHT-Y.
03975 COMPUTE MAX-LEFT = LEFT-Y.
03976 IF XCODE IN EQUIP-LOAD (IND) = 10 MOVE INCT-X TO HALF-TIE-X.
03977 COMPUTE ITEM-LENGTH = LTH IN EQUIP-LOAD (IND) +
    (HALF-TIE-X * 2).
03978 COMPUTE FWD-HALF = PLANNING-CG - FWD-RAMP-HINGE.
03979 COMPUTE MAX-END = FWD-RAMP-HINGE.
03980 IF LOFT = 0 GO TO NO-LOFT.
03981 IF (WTH IN EQUIP-LOAD (IND) LESS WTH-FILL + 1) OR
    (LOAD-FLAG (IND) = "H" AND FACING = "AFT") OR
    (XCODE IN EQUIP-LOAD (IND) = 9)
03982 COMPUTE FWD-HALF = PLANNING-CG - FST-LOBL-STIA
    COMPUTE MAX-END = FST-LOBL-STIA.
03983 IF COMF-PAL = 1 AND NO-LOADED = 0
    COMPUTE PLANNING-CG =
    (ALW-WT IN AIRCRAFT-DATA + PLANNING-CG - 1985940) /
    (ALW-WT IN AIRCRAFT-DATA - 37401).
03984 NO-LOFT.
03985 IF NO-LOADED - N-MOI = 0 GO TO NO-FORCE-CC.
03986 IF FACING = "AFT"
    COMPUTE AFT-X = PLANNING-CG + CGC IN EQUIP-LOAD (IND)
    + HALF-TIE-X
    ELSE
    COMPUTE AFT-X = PLANNING-CG + LTH IN EQUIP-LOAD (IND)
    - CGC IN EQUIP-LOAD (IND) + HALF-TIE-X.
03987 IF ITEM EXTENDS OVER EITHER RAMP HINGE WHEN ITEM-CG IS ON
    AIRCRAFT PLANNING-CG SHIFT OFF OF PCG TO CLEAR RAMP.....
03988 IF AFT-X GREATER THAN AFT-RAMP-HINGE
    MOVE AFT-RAMP-HINGE TO AFT-X.
    COMPUTE FORWARD-X = AFT-X - ITEM-LENGTH.
    IF FORWARD-X LESS THAN FWD-RAMP-HINGE AND
    AFT-X LESS THAN AFT-RAMP-HINGE
    MOVE FWD-RAMP-HINGE TO FORWARD-X
    COMPUTE AFT-X = FORWARD-X + ITEM-LENGTH
    COMPUTE MAX-AFT = AFT-X.
    GO TO CK-IT.
03989 NO-FORCE-CC.
03990 COMPUTE MAX-AFT = PLANNING-CG.
03991 COMPUTE FORWARD-X = PLANNING-CG - ITEM-LENGTH.
    COMPUTE AFT-X = PLANNING-CG.
    FORCE-CENTER.
03992 IF ITEM-LENGTH GREATER FWD-HALF
    COMPUTE FORWARD-X = MAX-END
    COMPUTE AFT-X = FORWARD-X + ITEM-LENGTH
    COMPUTE MAX-AFT = AFT-X.
03993 IF NO-LOADED - N = 0 GO TO CK-IT.
03994 IF CGSTAND LESS THAN PLANNING-CG NEXT SENTENCE ELSE
    GO TO CK-IT.
03966LOAD 3967 0949 0269
03967LOAD 3968 0275 0277 0276
03968LOAD 3969 0275 0269 0275 0269
03969LOAD 3970
03970LOAD 3971 0283 0277 0276 0269
03971LOAD 3972 0284 0277 0276 0269
03972LOAD 3973 0284
03973LOAD 3974 0926 0283 0926 0284
03974LOAD 3975 0278 0284
03975LOAD 3976 0437 0266 0948 0268
03976LOAD 3977 0279 0450 0266
03977LOAD 3978 0268
03978LOAD 3979 0289 0929 0934
03979LOAD 3980 0287 0934
03980LOAD 3981 0941
03981LOAD 3982 0442 0266 0516
03982LOAD 3983 0435 0266 0766
03983LOAD 3984 0437 0266
03984LOAD 3985 0289 0929
03985LOAD 3986 0931 0287 0931
03986LOAD 3987 0099 0217
03987LOAD 3988 0929
03988LOAD 3989 0090 0929
03989LOAD 3990 0090
03990LOAD 3991
03991LOAD 3992 0217 0245
03992LOAD 3993 0766
03993LOAD 3994 0282 0929 0443 0266
03994LOAD 3995
03995LOAD 3996 0268
03996LOAD 3997 0282 0929 0440 0266
03997LOAD 3998 0443 0266 0268
03998LOAD 3999
03999LOAD 4000
04000LOAD 4001
04001LOAD 4002
04002LOAD 4003 0282
04003LOAD 4004 0933 0933 0282
04004LOAD 4005 0281 0282 0279
04005LOAD 4006 0281 0934
04006LOAD 4007 0282
04007LOAD 4008 0933 0934
04008LOAD 4009 0281 0282 0281
04009LOAD 4010 0279 0288 0282
04010LOAD 4011
04011LOAD 4012
04012LOAD 4013 0288 0929
04013LOAD 4014 0281 0929 0279
04014LOAD 4015 0282 0929
04015LOAD 4016
04016LOAD 4017 0279
04017LOAD 4018 0289 0281
04018LOAD 4019 0287 0282 0281
04019LOAD 4020 0279 0288 0282
04020LOAD 4021 0217 0245
04021LOAD 4022 0220 0949
04022LOAD 4023

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040230****	AFT LOAD ITEM ON CENTER LINE	040230	4024
040240	COMPUTE AFT-HALF = AFT-RAMP-HINGE - PLANNING-CG.	040240	0933
040250	COMPUTE MAX-FWD = PLANNING-CG.	040250	0929
040260	COMPUTE MAX-AFT = AFT-RAMP-HINGE -	040260	0933
040270	COMPUTE FORWARD-X = FORWARD-X + ITEM-LENGTH.	040270	0281
040280	COMPUTE AFT-X = AFT-X + ITEM-LENGTH.	040280	0279
040290	IF ITEM-LENGTH GREATER AFT-HALF	040290	0279
040300	COMPUTE FORWARD-X = MAX-AFT - ITEM-LENGTH	040300	0281
040310	COMPUTE AFT-X = AFT-RAMP-HINGE	040310	0282
040320	COMPUTE MAX-FWD = FORWARD-X.	040320	0281
040330	CK-II.	040330	0036
040340	PERFORM CK-FOR-AVAILABLE-SPACE THRU LOAD-IF-SPACE-EX IT.	040340	0035
040350	IF LOADED-FLAG = ZEROS	040350	0294
040360	GO TO NEXT-ITEM.	040360	0037
040370	IF LOK-FLAG IN LOCATION (INX) NOT = "F"	040370	0267
040380	MOVE "D" TO LOK-FLAG IN LOCATION (INX).	040380	0267
040390	GO TO RESET-IND.	040390	0040
040400	LOAD-ONLY-PALLETS.	040400	0041
040410	MOVE 1 TO ALL-PALLET-FLG.	040410	0187
040420	IF AC-MOD IN AIRCRAFT-DATA = "C-5" OR "C-5A"	040420	0085
040430	MOVE 1250 TO PLANNING-CG.	040430	0094
040440	IF AC-MOD IN AIRCRAFT-DATA = "C-141"	040440	0085
040450	MOVE 936 TO PLANNING-CG.	040450	0094
040460	IF AC-MOD IN AIRCRAFT-DATA = "C-130"	040460	0085
040470	MOVE 556 TO PLANNING-CG.	040470	0085
040480	MOVE ZEROS TO IND.	040480	0094
040490	MOVE 0 TO HALF-TIE-X.	040490	0266
040500	MOVE 0 TO HALF-TIE-Y.	040500	0268
040510	NEXT-PALLET.	040510	0268
040520	ADD 1 TO IND.	040520	0052
040530	MOVE "D" TO HLD-LOK-FLAG.	040530	0266
040540	IF IND GREATER NO-EQUIP-GO TO CK-BALANCE.	040540	0295
040550	IF LOAD-FLAG (IND) =	040550	0266
040560	"P" OR "R" GO TO LOAD-ALL-PALLETS.	040560	0266
040570	GO TO NEXT-PALLET.	040570	0057
040580	LOAD-ALL-PALLETS.	040580	0058
040590	MOVE 0 TO RETURN-FLAG.	040590	0059
040600	IF WT IN EQUIP-LOAD (IND) - GROSS GREATER	040600	0293
040610	ALW-WT IN AIRCRAFT-DATA GO TO NEXT-PALLET.	040610	0061
040620	IF WTH IN EQUIP-LOAD (IND) - LTH IN EQUIP-LOAD (IND) / 144 *	040620	0266
040630	XAREA GREATER AREA-AC GO TO NEXT-PALLET.	040630	0227
040640	MOVE LTH IN EQUIP-LOAD (IND) TO ITEM-LENGTH.	040640	0279
040650	MOVE WTH IN EQUIP-LOAD (IND) TO ITEM-WIDTH.	040650	0280
040660	COMPUTE ITEM-CENTER ROUNDED = WTH IN EQUIP-LOAD (IND) / 2.	040660	0266
040670	COMPUTE AC-CENTER ROUNDED = AC-WTH / 2.	040670	0277
040680	LOAD-DECK-PALLETS.	040680	0276
040690	IF RETURN-FLAG = 2 OR 5 GO TO CK-RETURN-NOT-LOADED.	040690	0293
040700	MOVE "D" TO HLD-LOK-FLAG.	040700	0295
040710	COMPUTE MAX-FWD = FWD-RAMP-HINGE.	040710	0287
040720	COMPUTE MAX-AFT = PLANNING-CG.	040720	0934
040730	COMPUTE FORWARD-X = PLANNING-CG - ITEM-LENGTH.	040730	0288
040740	COMPUTE AFT-X = PLANNING-CG.	040740	0281
040750	IF LOFT = 0 GO TO NOT-ANY-LOFTS.	040750	0282
040760	IF (WTH IN EQUIP-LOAD (IND)) LESS (WTH-FILL + 1) OR	040760	0941
040770	(LOAD-FLAG (IND)) = "H" AND FACING = "AFT" OR	040770	0316
040780	(CODE IN EQUIP-LOAD (IND)) = 9)	040780	0355
040790	COMPUTE MAX-FWD = FST-LDBL-STA.	040790	0266
040800		040800	0287
040810		040810	0931

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040800 NOT-ANY-LOFTS.
040810 IF CGSTAND LESS THAN PLANNING-CG
040820 COMPUTE FORWARD-X = FORWARD-X + ITEM-LENGTH
040830 COMPUTE AFT-X = AFT-X + ITEM-LENGTH
040840 COMPUTE MAX-FWD = PLANNING-CG
040850 COMPUTE MAX-AFT = AFT-RAMP-HINGE.
040860 IF AC-MOD IN AIRCRAFT-DATA NOT = "C-5"
040870 MOVE 1 TO RAIL-IND GO TO NOT-ANY-LOFTS-A.
040880 IF P-C = 2 GO TO SWITCH-RAILS.
040890 SAME RAIL
040900 ADD 1 TO P-C.
040910 GO TO NOT-ANY-LOFTS-A.
040920 SWITCH-RAILS.
040930 IF RAIL-IND = 2 MOVE 1 TO RAIL-IND
040940 ELSE MOVE 2 TO RAIL-IND.
040950 MOVE 1 TO P-C.
040960 NOT-ANY-LOFTS-A.
040970 PERFORM LOAD-PALLETS THRU LOAD-PALLET-EXIT.
040980 ADD 1 TO RETURN-FLAG.
040990 GO TO LOAD-RAMP-PALLETS.
041000 LOAD-PALLETS.
041010 MOVE RAIL-Y-LOC (RAIL-IND) TO RAIL-LOC.
041020 COMPUTE RIGHT-Y = RAIL-LOC - ITEM-CENTER - HALF-TIE-Y.
041030 COMPUTE LEFT-Y = RAIL-LOC + ITEM-CENTER + HALF-TIE-Y.
041040 IF LEFT-Y GREATER THAN AC-MTH
041050 MOVE 0 TO RIGHT-Y MOVE AC-MTH TO LEFT-Y.
041060 COMPUTE MAX-LEFT = LEFT-Y.
041070 PERFORM CK-FOR-AVAILABLE-SPACE THRU LOAD-IF-SPACE-EXIT.
041080 IF LOADED-FLAG NOT = 1
041090 GO TO LOAD-PALLET-EXIT.
041100 MOVE HLD-LOC-FLAG TO LOK-FLAG IN LOKATION (IND).
041110 IF PALLET WAS LOADED ON RAMP--ADD MT DE PALLET TO GROSS-RAMP MT
041120 IF HLD-LOK-FLAG = "R"
041130 COMPUTE GROSS-RAMP = GROSS-RAMP + MT IN EQUIP-LOAD 4 IND.
041140 GO TO CK-RETURN-LOADED.
041150 LOAD-PALLET-EXIT.
041160 EXIT.
041170 CK-RETURN-LOADED.
041180 SET LOK-FLAG IN LOKATION 1 = 2 FOR CENTER LOADED ITEM
041190 SET LOK-FLAG IN LOKATION 1 = 4 FOR RAMP ITEM
041200 IF RETURN-FLAG = 0 - 2 ROUTINE WAS ENTERED FROM LOAD-PALLETS
041210 IF RETURN-FLAG = 3 - 5 ROUTINE WAS ENTERED FROM NEXT-ITEM
041220 IF RETURN-FLAG GREATER THAN 2 GO TO RESET-IND.
041230 PERFORM RESET-IND.
041240 GO TO LOAD-ONLY-PALLETS.
041250 LOAD-RAMP-PALLETS.
041260 IF RETURN-FLAG = 2 OR 5 GO TO CK-RETURN-NOT-LOADED.
041270 IF LOAD-FLAG (IND) NOT = "R" ADD 1 TO RETURN-FLAG
041280 GO TO LOAD-DECK-PALLETS.
041290 MOVE "R" TO HLD-LOK-FLAG.
041300 COMPUTE MAX-FWD = FST-LOBL-STA.
041310 COMPUTE MAX-AFT = FWD-RAMP-HINGE.
041320 COMPUTE FORWARD-X = FWD-RAMP-HINGE - LTH IN EQUIP-LOAD 4 IND
041330 - TIE-X.
041340 COMPUTE AFT-X = FWD-RAMP-HINGE.
041350 IF CGSTAND LESS THAN PLANNING-CG GO TO LOAD-AFT-RAMP.
041360 IF FWD-RAMP = 1 GO TO LOAD-RAMP.
040810 4081
040820 4082
040830 4083
040840 4084
040850 4085
040860 4086
040870 4087
040880 4088
040890 4089
040900 4090
040910 4091
040920 4092
040930 4093
040940 4094
040950 4095
040960 4096
040970 4097
040980 4098
040990 4099
041000 4100
041010 4101
041020 4102
041030 4103
041040 4104
041050 4105
041060 4106
041070 4107
041080 4108
041090 4109
041100 4110
041110 4111
041120 4112
041130 4113
041140 4114
041150 4115
041160 4116
041170 4117
041180 4118
041190 4119
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042200 4220
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042260 4226
042270 4227
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042290 4229
042300 4230
042310 4231
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043070 4307
043080 4308
043090 4309
043100 4310
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04137 041370 CK-RETURN-NOT-LOADED.
04138 041380*** IF RETURN-FLAG = 0 - 2 ROUTINE WAS ENTERED FROM LOAD-D-PALLETS
04139 041390*** IF RETURN-FLAG = 3 - 5 ROUTINE WAS ENTERED FROM NEXT-ITEM
04140 041400 GO TO NEXT-ITEM.
04141 041410 LOAD-AFT-RAMP.
04142 041420 COMPUTE MAX-FWD = AFT-RAMP-HINGE.
04143 041430 COMPUTE MAX-AFT = LST-LOBL-STA.
04144 041440 COMPUTE FORWARD-X = AFT-RAMP-HINGE.
04145 041450 COMPUTE AFT-X = AFT-RAMP-HINGE + LTH IN EQUIP-LOAD (IND)
04146 041460 + TIE-X.
04147 041470
04148 041480 LOAD-RAMP.
04149 041490 MOVE 1 TO RAIL-IND.
04150 041500 PERFORM LOAD-PALLETS-THRU LOAD-PALLET-EXIT.
04151 041510 PERFORM LOAD-AFT-RAMP.
04152 041520 IF NO-RAILS = 1 GO TO ALL-RAILS.
04153 041530 MOVE 2 TO RAIL-IND.
04154 041540 PERFORM LOAD-PALLETS-THRU LOAD-PALLET-EXIT.
04155 041550 PERFORM LOAD-AFT-RAMP.
04156 041560 ALL-RAILS.
04157 041570 ADD 1 TO RETURN-FLAG.
04158 041580 GO TO LOAD-DECK-PALLETS.
04159 041590 LOAD-ITEM.
04160 041600 IF LOAD-FLAG (IND) = "M" AND MT IN EQUIP-LOAD (IND) GREATER
04161 041610 CENTER-WT GO TO CENTER-LOAD.
04162 041620 IF XCDE IN EQUIP-LOAD (IND) = 3 GO TO LOAD-DECK-PALLETS.
04163 041630 IF XCDE IN EQUIP-LOAD (IND) NOT = 10 GO TO LOAD-RIGHT.
04164 041640 MOVE INCT-Y TO HALF-TIE-Y.
04165 041650 COMPUTE TEMP-TIE = AC-CENTER - ITEM-CENTER.
04166 041660 IF TEMP-TIE LESS HALF-TIE-Y MOVE TEMP-TIE TO HALF-TIE-Y.
04167 041670 LOAD-RIGHT.
04168 041680 MOVE 0 TO RIGHT-Y.
04169 041690 COMPUTE ITEM-CENTER = ITEM-CENTER + HALF-TIE-Y.
04170 041700 IF VAR-HEIGHTS = 0 GO TO NOT-CURVED.
04171 041710 IF HTH IN EQUIP-LOAD (IND) LESS 114 GO TO NOT-CURVED.
04172 041720 COMPUTE RIGHT-Y ROUNDED = RIGHT-Y +
04173 041730 (LTH IN EQUIP-LOAD (IND) - 114) / 4 * 3.
04174 041740 COMPUTE RIGHT-Y = RIGHT-Y - HALF-TIE-Y.
04175 041750 IF RIGHT-Y LESS THAN HALF-TIE-Y
04176 041760 MOVE HALF-TIE-Y TO RIGHT-Y.
04177 041770 NOT-CURVED.
04178 041780 COMPUTE LEFT-Y = RIGHT-Y + WTH IN EQUIP-LOAD (IND) *
04179 041790 (HALF-TIE-Y * 2).
04180 041800 COMPUTE MAX-LEFT = AC-WTH - RIGHT-Y.
04181 041810 IF XCDE IN EQUIP-LOAD (IND) = 10 MOVE INCT-X TO HALF-TIE-X.
04182 041820 COMPUTE ITEM-LENGTH = LTH IN EQUIP-LOAD (IND) +
04183 041830 (HALF-TIE-X * 2).
04184 041840 COMPUTE FWD-HALF = PLANNING-CG - FWD-RAMP-HINGE -
04185 041850 COMPUTE AFT-HALF = AFT-RAMP-HINGE - PLANNING-CG.
04186 041860 COMPUTE MAX-FWD = FWD-RAMP-HINGE.
04187 041870 MOVE PLANNING-CG TO MAX-AFT.
04188 041880 IF LUFT = 0 GO TO NO-LOFT-SPACE.
04189 041890 IF (LTH IN EQUIP-LOAD (IND) LESS HTH-FILL + 1) OR
04190 041900 (LOAD-FLAG (IND) = "M" AND FACING = "AFT") OR
04191 041910 (XCDE IN EQUIP-LOAD (IND) = 9)
04192 041920 COMPUTE FWD-HALF = PLANNING-CG - FST-LOBL-STA
04193 041930 MOVE FST-LOBL-STA TO MAX-FWD.

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04138LOAD 4139
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04143LOAD 4144 0287 0933
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04146LOAD 4147 0282 0933 0440
04147LOAD 4148 0266 0946
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04149LOAD 4150 0297
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04163LOAD 4164 0437 0266
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04165LOAD 4166 0275 0277 0276
04166LOAD 4167 0275 0269 0275 0269
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04170LOAD 4171 0960
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04186LOAD 4187 0287 0934
04187LOAD 4188 0929 0238
04188LOAD 4189 0941
04189LOAD 4190 0442 0266 0516
04190LOAD 4191 0435 0266 0766
04191LOAD 4192 0437 0266
04192LOAD 4193 0289 0929
04193LOAD 4194 0931 0931 0287

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04194 041940 IF COMF-PAL = 1 AND NO-LOADED = 0
04195 041950 COMPUTE PLANNING-CG =
04196 041960 (ALW-WT IN AIRCRAFT-DATA * PLANNING-CG - 1985%CI) /
04197 041970 (ALW-WT IN AIRCRAFT-DATA - 37401).
04198 041980 NO-LUFT-SPACE.
04199 041990 IF NO-LOADED - N NOT = 0 GO TO NO-FORCE-CG-X.
04200 042000 IF FACING = "AFT"
04201 042010 COMPUTE AFT-X = PLANNING-CG * CGC IN EQUIP-LOAD (IND)
04202 042020 + HALF-TIE-X
04203 042030 ELSE
04204 042040 COMPUTE AFT-X = PLANNING-CG * LTH IN EQUIP-LOAD (IND)
04205 042050 - CGC IN EQUIP-LOAD (IND) + HALF-TIE-X.
04206 042060 IF ITEM EXTENDS OVER EITHER RAMP HINGE WHEN ITEM-CG IS ON
04207 042070 AIRCRAFT PLANNING-CG SHIFT OFF OF PCG TO CLEAR RAMP....
04208 042080
04209 042090 IF AFT-X GREATER THAN AFT-RAMP-HINGE
04210 042100
04211 042110 COMPUTE FORWARD-X = AFT-X - ITEM-LENGTH.
04212 042120 IF FORWARD-X LESS THAN FWD-RAMP-HINGE AND
04213 042130 AFT-X LESS THAN AFT-RAMP-HINGE
04214 042140
04215 042150 COMPUTE FWD-RAMP-HINGE TO FORWARD-X
04216 042160 COMPUTE AFT-X = FORWARD-X + ITEM-LENGTH
04217 042170 COMPUTE MAX-AFT = AFT-X.
04218 042180 GO TO CK-IT2.
04219 042190 NO-FORCE-CG-X.
04220 042200 COMPUTE FORWARD-X = PLANNING-CG - ITEM-LENGTH.
04221 042210 COMPUTE AFT-X = PLANNING-CG.
04222 042220 RIGHT-LOAD.
04223 042230 IF ITEM-LENGTH GREATER FWD-HALF
04224 042240 COMPUTE FORWARD-X = MAX-FWD
04225 042250 COMPUTE AFT-X = FORWARD-X + ITEM-LENGTH
04226 042260 COMPUTE MAX-AFT = AFT-X.
04227 042270 IF NO-LOADED - N = 0 GO TO CK-IT2.
04228 042280 IF CGSTAND LESS PLANNING-CG NEXT SENTENCE ELSE
04229 042290 GO TO CK-IT2.
04230 042300 LOAD-AFT
04231 042310 COMPUTE MAX-FWD = PLANNING-CG.
04232 042320 MOVE AFT-RAMP-HINGE TO MAX-AFT.
04233 042330 COMPUTE FORWARD-X = FORWARD-X + ITEM-LENGTH.
04234 042340 COMPUTE AFT-X = AFT-X + ITEM-LENGTH.
04235 042350 IF ITEM-LENGTH GREATER AFT-HALF
04236 042360 COMPUTE FORWARD-X = MAX-AFT - ITEM-LENGTH
04237 042370 COMPUTE AFT-X = MAX-AFT-RAMP-HINGE
04238 042380 MOVE FORWARD-X TO MAX-FWD.
04239 042390 CK-IT2.
04240 042400 PERFORM CK-FOR-AVAILABLE-SPACE THRU LOAD-IF-SPACE-EN IT.
04241 042410 IF LOADED-FLAG = 1
04242 042420 MOVE -0- TO LOK-FLAG IN LOKATION (INX)
04243 042430 GO TO RESET-IND.
04244 042440 THIS ITEM WILL NOT FIT ON THE DECK - NOW TRY TO LOAD ON RAMP
04245 042450
04246 042460 RAMP-LOAD.
04247 042470 IF HTH IN EQUIP-LOAD (IND) GREATER HTH-FILL OR
04248 042480 HT IN EQUIP-LOAD (IND) GREATER HT-FILL
04249 042490 GO TO NEXT-ITEM.
04250 042500

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04194LOAD 4195 0094 0217
04195LOAD 4196 0929
04196LOAD 4197 0090 0929
04197LOAD 4198 0090
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04248LOAD 4249 0462 0266 0516
04249LOAD 4250 0439 0266
04250LOAD 4251 0519

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04251 MOVE "R" TO HLD-LUK-FLAG.
04252 IF CGSTANU GREATER THAN PLANNING-CG NEXT SENTENCE ELSE
04253 GO TO LOAD-AFT.
04254 IF FWD-RAMP = 0 GO TO NEXT-ITEM.
04255 LOAD-FWD.
04256 MOVE FST-LOBL-STA TO MAX-FWD.
04257 MOVE FWD-RAMP-HINGE TO MAX-AFT.
04258 SEE IF WE CAN MAKE JEEP FIT ON THE RAMP
04259 IF XCODE IN EQUIP-LOAD (IND) = 7
04260 COMPUTE MAX-AFT = MAX-FWD + ITEM-LENGTH.
04261
04262 COMPUTE FORWARD-X = MAX-AFT - ITEM-LENGTH.
04263 IF FORWARD-X LESS THAN MAX-FWD GO TO NEXT-ITEM.
04264 COMPUTE AFT-X = FORWARD-X.
04265 X-RIGHT X-LEFT-MAX-LEFT WAS SET WHEN TRYING TO LOAD DECK
04266 PERFORM CK-FOR-AVAILABLE-SPACE THRU LOAD-IF-SPACE-EXIT.
04267 IF LOADED-FLAG = ZERO
04268 GO TO NEXT-ITEM.
04269 ADD WEIGHT OF ITEM TO GROSS WEIGHT ON RAMP.
04270 COMPUTE GROSS-RAMP = GROSS-RAMP + WT IN EQUIP-LOAD + WND.
04271 MOVE "R" TO LUK-FLAG IN LOKATION (LNX).
04272 GO TO RESET-IND.
04273 LOAD-AFT.
04274 COMPUTE MAX-FWD = AFT-RAMP-HINGE.
04275 MOVE LST-LOBL-STA TO MAX-AFT.
04276 SEE IF WE CAN MAKE JEEP-FIT ON THE RAMP
04277 IF XCODE IN EQUIP-LOAD (IND) = 7
04278 COMPUTE MAX-FWD = MAX-AFT - ITEM-LENGTH.
04279
04280 COMPUTE AFT-X = MAX-FWD + ITEM-LENGTH.
04281 IF AFT-X GREATER THAN MAX-AFT GO TO NEXT-ITEM.
04282 MOVE MAX-FWD TO FORWARD-X.
04283 X-RIGHT, X-LEFT, MAX-LEFT WAS SET WHEN TRYING TO LOAD DECK
04284 PERFORM CK-FOR-AVAILABLE-SPACE THRU LOAD-IF-SPACE-EXIT.
04285 IF LOADED-FLAG = ZERO
04286 GO TO NEXT-ITEM.
04287 ADD WEIGHT OF ITEM TO GROSS WEIGHT ON RAMP.
04288 COMPUTE GROSS-RAMP = GROSS-RAMP + WT IN EQUIP-LOAD + WND.
04289 MOVE "R" TO LUK-FLAG IN LOKATION (LNX).
04290 GO TO RESET-IND.
04291
04292
04293 CK-FOR-AVAILABLE-SPACE.
04294
04295 THE FOLLOWING ELEMENTS MUST BE PRE-SET
04296
04297 MAX-FWD = MUST FORWARD POINT THIS ITEM CAN BE LOADED - 1
04298 MAX-AFT = MUST AFT POINT THIS ITEM CAN BE LOADED + 1
04299 MAX-LEFT = MUST LEFT POINT THIS ITEM CAN BE LOADED + 1
04300 INCOME -1 AND +1 OF ABOVE COMMENTS
04301
04302 THE FOLLOWING ELEMENTS ARE PRE-SET BASED ON MOMENT AND ALL
04303 ITEMS ARE CONSIDERED TO BE FIRST-ITEMS
04304
04305 FORWARD-X = FIRST MUST FORWARD POINT TO BE CHECKED
04306 AFT-X = FIRST MUST AFT POINT TO BE CHECKED
04307

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04308 THE NEXT TWO ELEMENTS ARE PRE-SET BASED ON THE FACT THAT 04308LOAD 4309
04309 THE RIGHT IS THE STARTING Y= USUALLY -1= BUT CAN VARY 04309LOAD 4310
04310 THE LEFT IS THE ENDING Y= USUALLY -AC-WTH= BUT CAN VARY 04310LOAD 4311
04311 04311LOAD 4312
04312 RIGHT-Y = FIRST MOST RIGHT POINT TO BE CHECKED 04312LOAD 4313
04313 LEFT-Y = FIRST MOST LEFT POINT TO BE CHECKED 04313LOAD 4314
04314 04314LOAD 4315
04315 MOVE ZERUS TO LOADED-FLAG. 04315LOAD 4316 0296
04316 04316LOAD 4317
04317 FIND WIDTH AND LENGTH 04317LOAD 4318
04318 04318LOAD 4319
04319 COMPUTE TEMP-WRK = LEFT-Y - RIGHT-Y. 04319LOAD 4320 0262 0264 0283
04320 COMPUTE TEMP-WRK = AFT-X - FORWARD-X. 04320LOAD 4321 0265 0282 0281
04321 CK-FIRST-ITEM. 04321LOAD 4322
04322 MOVE 1 TO INX. 04322LOAD 4323 0267
04323 MOVE RIGHT-Y TO Y-RIGHT-INX. 04323LOAD 4324 0283 0285
04324 MOVE LEFT-Y TO Y-LEFT-INX. 04324LOAD 4325 0284 0286
04325 IF NO-LOADED = ZERUS 04325LOAD 4326 0217
04326 MOVE 1 TO LOADED-FLAG INX GO TO CK-SPACE-EXIT. 04326LOAD 4327 0294 0267
04327 CK-LENGTH. 04327LOAD 4328
04328 SEE IF THIS ITEM INTERFERS WITH PREVIOUS ITEMS LENGTH 04328LOAD 4329
04329 IF IT DOES NOT GO TO MAYBE 04329LOAD 4330
04330 04330LOAD 4331
04331 IF FORWARD-X NOT LESS THAN X-AFT IN LOKATION (INX) 04331LOAD 4332 0281 0464 0267
04332 GO TO MAYBE. 04332LOAD 4333
04333 IF AFT-X NOT GREATER THAN X-FORWARD IN LOKATION (INX) 04333LOAD 4334 0282 0463 0267
04334 GO TO MAYBE. 04334LOAD 4335
04335 MOVE INX TO I. 04335LOAD 4336 0267 0240
04336 CK-WIDTH. 04336LOAD 4337
04337 SEE IF THIS ITEM INTERFERES WITH PREVIOUS ITEMS WIDTH 04337LOAD 4338
04338 IF IT DOES NOT GO TO MAYBE 04338LOAD 4339
04339 04339LOAD 4340
04340 IF Y-RIGHT-INX NOT LESS THAN Y-LEFT IN LOKATION (INX) 04340LOAD 4341 0285 0468 0267
04341 MOVE 1 TO INX 04341LOAD 4342 0240
04342 GO TO MAYBE. 04342LOAD 4343 0267
04343 IF Y-LEFT-INX NOT GREATER THAN Y-RIGHT IN LOKATION (INX) 04343LOAD 4344 0286 0467 0267
04344 MOVE 1 TO INX 04344LOAD 4345 0240
04345 GO TO MAYBE. 04345LOAD 4346 0267
04346 MOVE Y-LEFT IN LOKATION (INX) TO Y-RIGHT-INX. 04346LOAD 4347 0468 0267 0285
04347 COMPUTE Y-LEFT-INX = Y-RIGHT-INX + TEMP-WRK. 04347LOAD 4348 0286 0285 0262
04348 IF Y-LEFT-INX LESS THAN MAX-LEFT + 1 04348LOAD 4349 0286 0278
04349 GO TO CK-MIDTH. 04349LOAD 4350
04350 MOVE 0 TO I 04350LOAD 4351 0240
04351 MOVE 0 TO MOST-AFT. 04351LOAD 4352 0194
04352 MOVE 9999 TO MOST-FND. 04352LOAD 4353 0193
04353 IF CGSTAND LESS THAN PLANNING-CG 04353LOAD 4354 0220
04354 PERFORM AFT-LOOK VARYING Z FROM 1 BY 1 UNTIL Z 04354LOAD 4355 0929 0246
04355 GREATER THAN MU-LOADED 04355LOAD 4356 0246
04356 MOVE MOST-FND TO FORWARD-X 04356LOAD 4357 0193
04357 COMPUTE AFT-X = FORWARD-X + TEMP-WRK 04357LOAD 4358 0281 0282 0281
04358 04358LOAD 4359
04359 ELSE 04359LOAD 4360 0265
04360 PERFORM FWD-LOOK VARYING Z FROM 1 BY 1 UNTIL Z 04360LOAD 4361 0246
04361 GREATER THAN MU-LOADED 04361LOAD 4362 0246
04362 MOVE MOST-AFT TO AFT-X 04362LOAD 4363 0194
04363 COMPUTE FORWARD-X = AFT-X - TEMP-WRK. 04363LOAD 4364 0281 0282 0265
04364 04364LOAD

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04365 043650 IF FORWARD-X GREATER THAN MAX-FWD AND AFT-X LESS THAN MAX-AFT
04366 043660 GO TO CK-FIRST-ITEM.
04367 043670****
04368 043680**** AT THIS POINT IT HAS BEEN DETERMINED THAT THIS ITEM
04369 043690**** WILL NOT FIT - AT ALL
04370 043700****
04371 043710 MOVE ZEROS TO LOADED-FLAG.
04372 043720 GO TO CK-SPACE-EXIT.
04373 043730 FWD-LOOK.
04374 043740 IF X-FORWARD IN LOKATION (Z) GREATER THAN MOST-AFT
04375 043750 AND
04376 043760 X-FORWARD IN LOKATION (Z) LESS THAN AFT-X
04377 043770 MOVE X-FORWARD IN LOKATION (Z) TO MOST-AFT.
04378 043780 AFT-LOOK.
04379 043790 IF X-AFT IN LOKATION (Z) LESS THAN MOST-FWD
04380 043800 AND
04381 043810 X-AFT IN LOKATION (Z) GREATER THAN FORWARD-X
04382 043820 MOVE X-AFT IN LOKATION (Z) TO MOST-FWD.
04383 043830 MAYBE.
04384 043840****
04385 043850**** AT THIS POINT IT HAS BEEN DETERMINED THAT THIS ITEM
04386 043860**** WILL FIT - AND IT DOES NOT INTERFERE WITH THE PREVIOUS ITEM
04387 043870****
04388 043880 MOVE 1 TO LOADED-FLAG.
04389 043890 ADD 1 TO INX.
04390 043900 IF INX GREATER NO-LOADED-GO TO CK-SPACE-EXIT.
04391 043910 GO TO CK-LENGTH.
04392 043920 CK-SPACE-EXIT.
04393 043930****
04394 043940**** AT THIS POINT IF LOADED-FLAG = 0 (ITEM WILL NOT FIT)
04395 043950**** IF LOADED-FLAG = 1 (ITEM WILL FIT)
04396 043960****
04397 043970 MOVE NO-LOADED TO INX.
04398 043980 IF LOADED-FLAG = 0 AND ALL-PALLET-FLG = 1
04399 043990 GO TO LOAD-IF-SPACE-EXIT.
04400 044000 IF LOADED-FLAG = ZEROS GO TO FORCE-IT.
04401 044010 ADD 1 TO INX.
04402 044020 MOVE Y-RIGHT-INX TO Y-RIGHT IN LOKATION (INX).
04403 044030 MOVE Y-LEFT-INX TO Y-LEFT IN LOKATION (INX).
04404 044040 MOVE FORWARD-X TO X-FORWARD IN LOKATION (INX).
04405 044050 MOVE AFT-X TO X-AFT IN LOKATION (INX).
04406 044060 MOVE INO TO ITEN-NO IN LOKATION (INX).
04407 044070 MOVE PRMCC IN EQUIP-LOAD (IND) TO SCGC IN LOKATION (INX).
04408 044080 IF RPTI (IND) = 0 NEXT SENTENCE ELSE COMPUTE
04409 044090 ALM-WT IN AIRCRAFT-DATA = ALM-WT IN AIRCRAFT-DATA -
04410 044100 (RPTI (IND) * PAX-WT).
04411 044110 IF FACING = "FWD" GO TO CGX-FORWARD. AND
04412 044120 IF LOFT = 1
04413 044130 XCODE IN EQUIP-LOAD (IND) = 9 AND
04414 044140 HTH IN EQUIP-LOAD (IND) GREATER THAN HTH-FILL AND
04415 044150 FORWARD-X LESS THAN FWD-RAMP-HINGE
04416 044160 MOVE "F" TO LOK-FLAG IN LOKATION (INX)
04417 044170 MOVE 1 TO FACING-FLAG
04418 044180 GO TO CGX-FORWARD.
04419 044190 IF LOAD-FLAG (IND) = "H"
04420 044200 GO TO CGX-FORWARD.
04421 044210 COMPUTE CG-X IN LOKATION (INX) = AFT-X - HALF-TIE-X -

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04422 044220 CGC IN EQUIP-LOAD (IND). 04422LOAD 0423 0443 0266
04423 044230 GO TO CG-ITEMS. 04423LOAD 0424
04424 CGX-FORWARD. 04424LOAD 0425
04425 COMPUTE CG-X IN LOCATION (INX) = FORWARD-X + HALF-TIE-X + 04425LOAD 0426 0465 0267 0281 0268
04426 CGC IN EQUIP-LOAD (IND). 04426LOAD 0427 0465 0266
04427 CG-ITEMS. 04427LOAD 0428
04428 COMPUTE CG-Y IN LOCATION (INX) = 04428LOAD 0429 0466 0267
04429 (Y-LEFT IN LOCATION (INX) - Y-RIGHT IN LOCATION (INX)) / 2 04429LOAD 0430 0466 0267 0467 0267
04430 ADD 1 TO NO-LOADED. 04430LOAD 0431 0467 0267
04431 MOVE LOAD-FLAG (IND) TO LD-FLAG IN LOCATION (INX). 04431LOAD 0432 0217
04432 MOVE "M" TO LOAD-FLAG (IND). 04432LOAD 0433 0435 0266 0471 0267
04433 GO TO LOAD-IF-SPACE-EXIT. 04433LOAD 0434 0435 0266
04434 FORCE-IT. 04434LOAD 0435
04435 IF HLD-LOK-FLAG = "R" GO TO LOAD-IF-SPACE-EXIT. 04435LOAD 0436
04436 PERFORM FIND-FOR-AFT-MOST THRU FIND-FOR-AFT-EXIT. 04436LOAD 0437 0295
04437 SEE-IF-FIT. 04437LOAD 0438
04438 IF MOST-FWD LESS THAN FWD-STA 04438LOAD 0439
04439 COMPUTE TEMP-WRK = MUST-FWD - FWD-STA. 04439LOAD 0440 0193
04440 IF MOST-AFT GREATER THAN AFT-STA 04440LOAD 0441 0191 0262
04441 MOVE 0 TO TEMP-WRK ELSE 04441LOAD 0442 0262 0193 0191
04442 COMPUTE TEMP-WRK = AFT-STA - MUST-AFT. 04442LOAD 0443 0194
04443 COMPUTE ITEM-LENGTH = AFT-X - FORWARD-X. 04443LOAD 0444 0192 0265
04444 IF TEMP-WRK + TEMP-WRK LESS THAN ITEM-LENGTH 04444LOAD 0445 0265 0192 0194
04445 GO TO LOAD-IF-SPACE-EXIT. 04445LOAD 0446 0279 0282 0281
04446 IF AC-MOD IN AIRCRAFT-DATA = "C-141" 04446LOAD 0447 0282 0265
04447 AND FWD-STA LESS THAN 452 AND COMF-PAL = 0 04447LOAD 0448 0279
04448 DISPLAY = FWD STA TO SMALL = 04448LOAD 0449 0085
04449 GO TO LOAD-IF-SPACE-EXIT. 04449LOAD 0450 0191 0099
04450 ADD 1 TO INX. 04450LOAD 0451
04451 IF CGSTAND LESS THAN PLANNING-CG 04451LOAD 0452
04452 COMPUTE SHIFT = ITEM-LENGTH - TEMP-WRK 04452LOAD 0453 0267
04453 ELSE 04453LOAD 0454 0220
04454 COMPUTE SHIFT = ITEM-LENGTH - TEMP-WRK. 04454LOAD 0455 0929 0249 0279
04455 PERFORM SHIFT-IT THRU SHIFT-IT-EXIT VARYING I FROM 1 BY 1 04455LOAD 0456 0265
04456 UNTIL I GREATER NO-LOADED. 04456LOAD 0457 0249 0279 0262
04457 PERFORM FIND-FOR-AFT-MOST THRU FIND-FOR-AFT-EXIT. 04457LOAD 0458 0240
04458 IF CGSTAND LESS THAN PLANNING-CG 04458LOAD 0459 0240 0217
04459 MOVE MOST-FWD TO AFT-X 04459LOAD 0460
04460 COMPUTE FORWARD-X = AFT-X - ITEM-LENGTH. 04460LOAD 0461 0220
04461 MOVE RIGHT-Y TO Y-RIGHT-INX. 04461LOAD 0462 0929 0194
04462 MOVE LEFT-Y TO Y-LEFT-INX. 04462LOAD 0463 0281 0282 0281
04463 MOVE "D" TO LOK-FLAG IN LOCATION (INX). 04463LOAD 0464 0279
04464 MOVE 1 TO LOADED-FLAG. 04464LOAD 0465 0193
04465 GO TO CK-SPACE-EXIT. 04465LOAD 0466 0282 0281 0282 0279
04466 MOVE ZEROS TO TEMP-MOMENT. 04466LOAD 0467 0283 0285
04467 MOVE ZEROS TO TEMP-CROSS. 04467LOAD 0468 0284 0286
04468 MOVE ZEROS TO MOST-FWD-MOST-AFT. 04468LOAD 0469 0470 0267
04469 MOVE ZEROS TO TALL-POINTER. 04469LOAD 0470 0294
04470 MOVE AFT-RAMP-HINGE TO AFT-STA TALL-ITEM. 04470LOAD 0471
04471 MOVE FWD-RAMP-HINGE TO FWD-STA. 04471LOAD 0472
04472 PERFORM MOST-FOR-AFT THRU MUST-FOR-AFT-EXIT 04472LOAD 0473 0230
04473 MOVE ZEROS TO TEMP-MOMENT. 04473LOAD 0474 0231
04474 MOVE ZEROS TO TEMP-CROSS. 04474LOAD 0475 0193 0194
04475 MOVE ZEROS TO TALL-POINTER. 04475LOAD 0476 0186
04476 MOVE AFT-RAMP-HINGE TO AFT-STA TALL-ITEM. 04476LOAD 0477 0933 0192 0185
04477 MOVE FWD-RAMP-HINGE TO FWD-STA. 04477LOAD 0478 0934 0191
04478 PERFORM MOST-FOR-AFT THRU MUST-FOR-AFT-EXIT 04478LOAD 0479

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04536 COMPUTE TEMP-WORK = FWD-RAMP-HINGE - FST-LDBL-STA. 04536LOAD 4537 0262 0934 0931
04537 COMPUTE TEMP-WRK = TALL-ITEM - MUST-FND. 04537LOAD 4538 0265 0185 0193
04538 IF TEMP-WORK GREATER THAN TEMP-WRK 04538LOAD 4539 0262
04539 COMPUTE TEMP-WORK = MUST-FND - FWD-RAMP-HINGE 04539LOAD 4540 0265 0262 0193
04540 COMPUTE FWD-STA = FWD-STA - TEMP-WORK - TEMP-WRK 04540LOAD 4541 0934 0191 0191 0262
04541 ELSE 04541LOAD 4542 0265
04542 MOVE FST-LDBL-STA TO FWD-STA. 04542LOAD 4543 0931 0191
04543 FWD-FOR-AFT-EXIT. 04543LOAD 4544
04544 EXIT. 04544LOAD 4545
04545 SHIFT-IT. 04545LOAD 4546
04546 IF LD-FLAG IN LOCATION (1) = "D" OR LOK-FLAG IN LOCATION (1) 04546LOAD 4547 0471 0240 0470
04547 NEXT SENTENCE ELSE GO TO SHIFT-IT-EXIT. 04547LOAD 4548 0260
04548 IF CGSTAND LESS THAN PLANNING-CG GO TO SUBT. 04548LOAD 4549
04549 ADD SHIFT TO X-FORWARD IN LOCATION (1). 04549LOAD 4550 0220 0929
04550 ADD SHIFT TO X-AFT IN LOCATION (1). 04550LOAD 4551 0249 0463 0240
04551 ADD SHIFT TO CG-X IN LOCATION (1). 04551LOAD 4552 0249 0464 0240
04552 GO TO SHIFT-IT-EXIT. 04552LOAD 4553 0249 0465 0240
04553 SUBT. 04553LOAD 4554
04554 SUBTRACT SHIFT FROM X-FORWARD IN LOCATION (1). 04554LOAD 4555
04555 SUBTRACT SHIFT FROM X-AFT IN LOCATION (1). 04555LOAD 4556 0249 0463 0240
04556 SUBTRACT SHIFT FROM CG-X IN LOCATION (1). 04556LOAD 4557 0249 0464 0240
04557 SHIFT-IT-EXIT. 04557LOAD 4558 0249 0465 0240
04558 LOAD-IF-SPACE-EXIT. 04558LOAD 4559
04559 EXIT. 04559LOAD 4560
04560 CALC-MOMENT. 04560LOAD 4561
04561 MOVE ITEM-MOM IN LOCATION (1)X1 TO KOUNT. 04561LOAD 4562
04562 COMPUTE MOMENT = MOMENT * 04562LOAD 4563 0462 0267 0236
04563 (CG-X IN LOCATION (1)X1) * WT IN EQUIP-LOAD (KOUNT1). 04563LOAD 4564 0252 0252
04564 COMPUTE XAREA = XAREA * 04564LOAD 4565 0465 0267 0439 0236
04565 (1144) IN EQUIP-LOAD (KOUNT1) * WT IN EQUIP-LOAD (KOUNT1) 04565LOAD 4566 0229 0229
04566 COMPUTE GROSS = GROSS * WT IN EQUIP-LOAD (KOUNT1). 04566LOAD 4567 0228 0228 0441 0236
04567 ADD 1 TO INK. 04567LOAD 4568 0228 0228 0439 0236
04568 CK-BALANCE. 04568LOAD 4569
04569 IF ALL-PALLET-FLG = 1 04569LOAD 4570 0228 0228 0439 0236
04570 GO TO POSITION-AND-BALANCE-EXIT. 04570LOAD 4571 0267
04571 MOVE PLANNING-CG TO DESIRED-CG. 04571LOAD 4572
04572 IF NO-ITER NOT = 0 AND NO-LOADED NOT = 0NLLC 04572LOAD 4573 0187
04573 GO TO QUIT-SPREAD. 04573LOAD 4574 0217
04574 IF LOFT = 0 GO TO CK1. 04574LOAD 4575 0221
04575 IF GROSS LESS THAN 20000 MOVE 875 TO DESIRED-CG. 04575LOAD 4576 0929 0930
04576 GO TO CK2. 04576LOAD 4577 0952 0217
04577 IF GROSS GREATER THAN 79999 MOVE 1240 TO DESIRED-CG 04577LOAD 4578 0221
04578 ELSE MOVE 1150 TO DESIRED-CG. 04578LOAD 4579 0941
04579 IF VAR-HEIGHTS = 0 GO TO CK2. 04579LOAD 4580 0228 0228 0930
04580 IF GROSS GREATER THAN 20000 MOVE 1310 TO DESIRED-CG 04580LOAD 4581 0582
04581 GO TO CK2. 04581LOAD 4582 0583 0940
04582 IF GROSS GREATER THAN 120000 MOVE 1285 TO DESIRED-CG 04582LOAD 4583 0228
04583 GO TO CK2. 04583LOAD 4584 0585 0930
04584 IF GROSS GREATER THAN 120000 MOVE 1285 TO DESIRED-CG 04584LOAD 4585 0228
04585 GO TO CK2. 04585LOAD 4586 0587 0930
04586 IF GROSS GREATER THAN 79999 MOVE 1240 TO DESIRED-CG 04586LOAD 4587 0228
04587 ELSE MOVE 1150 TO DESIRED-CG. 04587LOAD 4588 0930 0930
04588 CK1. 04588LOAD 4589 4590
04589 CK2. 04589LOAD 4590 4591 0270 0930 0220
04590 COMPUTE RANGE-X = DESIRED-CG - CGSTAND. 04590LOAD 4591 4592
04591 IF 2 PKG HELD LOAD OR RAMP ITEM RECALCULATE RANGE 04591LOAD 4592 4593
04592 04592LOAD 4593

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4593 045930*      THAT IS BASED ON DECK ITEMS ONLY
4594 045940*      IF HELI-PKG (2) = ZERO AND GROSS-KAMP = 0 GO TO CK3.
4595 045950*      MOVE GROSS TO TEMP-GROSS.
4596 045960      IF GROSS-KAMP NOT = 0 COMPUTE
4597 045970      TEMP-GROSS = TEMP-GROSS - GROSS-KAMP.
4598 045980      IF HELI-PKG (2) NOT = ZERO COMPUTE
4599 045990      TEMP-GROSS = TEMP-GROSS - HELI-GROSS.
4600 046000      COMPUTE RANGE-X = (GROSS * RANGE-X) / TEMP-GROSS.
4601 046010      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4602 046020      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4603 046030      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4604 046040      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4605 046050      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4606 046060      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4607 046070      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4608 046080      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4609 046090      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4610 046100      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4611 046110      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4612 046120      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4613 046130      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4614 046140      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4615 046150      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4616 046160      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4617 046170      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4618 046180      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4619 046190      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4620 046200      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4621 046210      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4622 046220      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4623 046230      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4624 046240      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4625 046250      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4626 046260      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4627 046270      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4628 046280      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4629 046290      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4630 046300      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4631 046310      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4632 046320      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4633 046330      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4634 046340      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4635 046350      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4636 046360      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4637 046370      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4638 046380      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4639 046390      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4640 046400      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4641 046410      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4642 046420      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4643 046430      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4644 046440      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4645 046450      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4646 046460      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4647 046470      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4648 046480      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.
4649 046490      IF TEMP-GROSS = 0 GO TO CANT-SHIFT.

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046500 CAN-WE-SHIFT-1.
046510 COMPUTE LCG ROUNDED = (TEMP-MOMENT + (PASS-GO * PAX-WT
046520 * 17411) / (TEMP-GROSS + (PASS-GO * PAX-WT)).
046530 MOVE 1150 TO DESIRED-CG.
046540 IF (TEMP-GROSS + (PASS-GO * PAX-WT)) GREATER THAN 19999
046550 MOVE 1240 TO DESIRED-CG.
046560 IF (TEMP-GROSS + (PASS-GO * PAX-WT)) GREATER THAN 12000
046570 MOVE 1285 TO DESIRED-CG.
046580 IF (TEMP-GROSS + (PASS-GO * PAX-WT)) GREATER THAN 20000
046590 MOVE 1310 TO DESIRED-CG.
046600 IF LCG NOT GREATER THAN DESIRED-CG + 40
046610 MOVE SAV-CGC TO DESIRED-CG
046620 GO TO WE-CAN-SHIFT.
046630 SUBTRACT 1 FROM PASS-GO.
046640 GO TO CAN-WE-SHIFT-1.
046650 CAN-SHIFT.
046660*
046670 COMPUTE SHIFT = RANGE-X - TOLER.
046680*
046690 IF X-ROOM NOT LESS THAN SHIFT, GO TO WE-CAN-SHIFT.
046700*
046710* CAN'T SHIFT REMOVE LAST ITEM LOADED IF NO SPREAD HAS
046720* YET BEEN ATTEMPTED AND CK FOR OTHER ITEMS TO LOAD
046730*
046740 IF X-AXIS = 0 AND Y-AXIS = 0 GO TO CONT-ITER.
046750 IF NO-ITER NOT = 0 GO TO CONT-ITER.
046760* RETURN EQUIP LOAD TO ITS ORIGINAL STATE
046770*
046780* MOVE DESIRED CG TO PLANNING CG -- RELOAD AIR CRAFT
046790*
046800* MODIFY NO-EQUIP IF NECESSARY
046810*
046820 IF HELI-PKG (2) NOT = ZEROS
046830 COMPUTE NO-EQUIP = NO-EQUIP - 2
046840 ELSE
046850 IF LOAD-PLAN-HOLD NOT = ZEROS
046860 COMPUTE NO-EQUIP = NO-EQUIP - 1.
046870 IF CONF-PAL = 1
046880 COMPUTE NO-EQUIP = NO-EQUIP - 1.
046890 PERFORM RET-ORG-ED VARYING M FROM 1 BY 1 UNTIL
046900 M GREATER THAN NO-EQUIP.
046910 MOVE HIGH-VALUE TO LOW-CLASS.
046920 GO TO ELD-ORG-RET.
046930 WE-CAN-SHIFT.
046940*
046950*
046960*
046970*
046980*
046990*
047000 IF NO-ITER = 0 AND NO-LOADED = 1
047010 COMPUTE SHIFT = SHIFT * -1
047020 PERFORM SHIFT-IT THRU SHIFT-IT-EXIT VARYING I FROM
047030 1 BY 1 UNTIL 1 GREATER NO-LOADED
047040 GO TO POSITION-AND-BALANCE-EXIT.
047050 MOVE 0 TO A-F.
047060 GO TO CONT-ITER.
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(4707 RET-ORG-ELD.
(4708 MOVE EQUIP-LOAD-HLD (M) TO EQUIP-LOAD (M).
(4709 IF DLF-X (M) = "" MOVE "X" TO LOAD-FLAG IN EQUIP-LOAD (M).
(4710 ELD-ORG-RET.
(4711 IF DESIRED-CG = PLANNING-CG
(4712 MOVE ITEM-NO IN LUKATION (NO-LOADED) TO IND
(4713 MOVE "X" TO LOAD-FLAG IN EQUIP-LOAD (IND)
(4714 MOVE "M" TO DLF-X (IND).
(4715 MOVE DESIRED-CG TO PLANNING-CG.
(4716 MOVE SAV-ALM-WT TO ALM-WT IN AIRCRAFT-DATA.
(4717 GO TO POSITION-ITEM-SECTION.
(4718 REST-EQUIP-LOAD.
(4719
(4720*
(4721 IF HELI-PKG (Z) NOT = ZERUS MOVE 3 TO M
(4722 ELSE IF LOAD-PLAN-HOLD NOT = ZERUS MOVE 2 TO M
(4723 ELSE MOVE 1 TO M.
(4724 IF COMF-PAL = 1 ADD 1 TO M.
(4725 MOVE 0 TO J.
(4726 MOVE N TO L.
(4727 PERFORM RTN-EQ-LOAD VARYING M FROM N BY 1
(4728 UNTIL M GREATER THAN NO-LOADED.
(4729 MOVE J TO DNLLC.
(4730 IF HELI-PKG (Z) NOT = ZERUS
(4731 ADD 2 TO DNLLC
(4732 ELSE
(4733 IF LOAD-PLAN-HOLD NOT = ZERUS
(4734 ADD 1 TO DNLLC.
(4735 GO TO EQ-LOAD-RIND.
(4736 EQ-LOAD-RIND.
(4737 RTN-EQ-LOAD.
(4738
(4739 ADD 1 TO J.
(4740 MOVE ITEM-NO IN LUKATION (M) TO Z.
(4741 MOVE EQUIP-LOAD-HLD (Z) TO EQUIP-LOAD (J).
(4742 MOVE "X" TO DLF-X (Z).
(4743 EQ-LOAD-RIND.
(4744
(4745 CLEAR REST OF EQUIP-LOAD
(4746
(4747 COMPUTE N = NO-LOADED + 1.
(4748 PERFORM CL-EQ-LD VARYING M FROM N BY 1
(4749 UNTIL M GREATER THAN NO-EQUIP.
(4750 COMPUTE NO-EQUIP = NO-LOADED - L + 1.
(4751 GO TO EQ-LD-CL.
(4752 CL-EQ-LD.
(4753 MOVE SPACES TO EQUIP-LOAD (M).
(4754 EQ-LD-CL.
(4755
(4756 MOVE HIGH-VALUE TO LOW-CLASS.
(4757 MOVE SAV-ALM-WT TO ALM-WT IN AIRCRAFT-DATA.
(4758 IF NO-PALLETS = NO-ITEMS OR NO-PALLETS GREATER MAX-PALLETS
(4759 GO TO ITEMS-STILED.
(4760
(4761 DETERMINE IF ALL ITEMS CAN BE LINED UP IF THEY CAN SHUT DOWN
(4762 ITERATIONS FORCE POSITION AND BALANCE TO CENTER LINE EACH ITEM
(4763

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04764* 047640* COMPUTE J = L - 1.
04765* 047650* MOVE 0 TO Z.
04766* 047660* IF J = 1 MOVE 0 TO J.
04767* 047670* FIND-LENGTH.
04768* 047680* ADD 1 TO J.
04769* 047690* IF J GREATER THAN NO-LOADED GO TO LENGTH-FOUND.
04770* 047700* IF LOK-FLAG IN LOCATION (J) = "R" OR "T" GO TO FIND-LENGTH.
04771* 047710* COMPUTE Z = Z + X-AFT (J) - X-FORWARD (J).
04772* 047720* COMPUTE Z = Z + X-AFT (J) - X-FORWARD (J).
04773* 047730* ANY ITEMS UNDER LOFT
04774* 047740* IF X-FORWARD (J) LESS THAN FWD-RAMP-HINGE
04775* 047750* COMPUTE Z = Z - (FWD-RAMP-HINGE - X-FORWARD (J)).
04776* 047760* GO TO FIND-LENGTH.
04777* 047770* LENGTH-FOUND.
04778* 047780* CAN THEY ALL BE LINED UP
04779* 047790* COMPUTE TEMP-WORK = AFT-RAMP-HINGE - FWD-RAMP-HINGE.
04780* 047800* MELI PKGS
04781* 047810* IF L = 3 COMPUTE TEMP-WORK = X-FORWARD (2) - X-AFT (1).
04782* 047820* IF Z GREATER THAN TEMP-WORK GO TO
04783* 047830* POSITION-ITEM-SECTION.
04784* 047840* MOVE 0 TO J.
04785* 047850* ST-LINE-ITEMS.
04786* 047860* ADD 1 TO J.
04787* 047870* IF J GREATER THAN NO-LOADED GO TO FLIP-EQ-LD.
04788* 047880* IF J GREATER THAN NO-LOADED GO TO FLIP-EQ-LD.
04789* 047890* ADD 20 TO XCODE THIS WILL FLAG POSITION ROUTINE TO CENTER LINE 1
04790* 047900* ADD 20 TO XCODE THIS WILL FLAG POSITION ROUTINE TO CENTER LINE 1
04791* 047910* ADD 20 TO XCODE THIS WILL FLAG POSITION ROUTINE TO CENTER LINE 1
04792* 047920* ADD 20 TO XCODE THIS WILL FLAG POSITION ROUTINE TO CENTER LINE 1
04793* 047930* ADD 20 TO XCODE THIS WILL FLAG POSITION ROUTINE TO CENTER LINE 1
04794* 047940* ADD 20 TO XCODE THIS WILL FLAG POSITION ROUTINE TO CENTER LINE 1
04795* 047950* ADD 20 TO XCODE THIS WILL FLAG POSITION ROUTINE TO CENTER LINE 1
04796* 047960* ADD 20 TO XCODE THIS WILL FLAG POSITION ROUTINE TO CENTER LINE 1
04797* 047970* ADD 20 TO XCODE THIS WILL FLAG POSITION ROUTINE TO CENTER LINE 1
04798* 047980* ADD 20 TO XCODE THIS WILL FLAG POSITION ROUTINE TO CENTER LINE 1
04799* 047990* ADD 20 TO XCODE THIS WILL FLAG POSITION ROUTINE TO CENTER LINE 1
04800* 048000* ADD 20 TO XCODE THIS WILL FLAG POSITION ROUTINE TO CENTER LINE 1
04801* 048010* IF ST LINE 1 CS FLIP LAST 2 ITEMS HERE TO BE HEAVY END
04802* 048020* LEAVE GOOD PASS LOAD GOODY
04803* 048030* FLIP-EQ-LD.
04804* 048040* IF NO-LOADED LESS THAN 3 GO TO ITEMS-STILINED.
04805* 048050* IF AC-MOD IN AIRCRAFT-DATA = "C-5" OR "C-SA" = NEXT SENTENCE
04806* 048060* ELSE GO TO ITEMS-STILINED.
04807* 048070* COMPUTE J = NO-EQUIP - 1.
04808* 048080* MOVE EQUIP-LOAD (NO-EQUIP) TO BUFFER.
04809* 048090* MOVE EQUIP-LOAD (J) TO EQUIP-LOAD (NO-EQUIP).
04810* 048100* MOVE BUFFER TO EQUIP-LOAD (J).
04811* 048110* ITEMS-STILINED.
04812* 048120* MOVE 0 TO X-AXIS Y-AXIS.
04813* 048130* MOVE SAV-X TO SHIFT-X.
04814* 048140* MOVE SAV-Y TO SHIFT-Y.
04815* 048150* MOVE DESIRED-CG TO PLANNING-CG.
04816* 048160* COMPUTE NO-ITER = NO-ITER + 1.
04817* 048170* TURN ON SWITCH (A-F) TO INDICATE FORCED STRAIGHT-LINE ITERATION
04818* 048180*
04819* 048190*
04820* 048200*

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04764LOAD 4765  
04765LOAD 4766 0241 0243  
04766LOAD 4767 0246  
04767LOAD 4768 0241 0241  
04768LOAD 4769  
04769LOAD 4770 0241  
04770LOAD 4771 0241 0217  
04771LOAD 4772 0240 0241  
04772LOAD 4773 0246 0246 0464 0241  
04773LOAD 4774  
04774LOAD 4775  
04775LOAD 4776  
04776LOAD 4777 0463 0241  
04777LOAD 4778 0934 0246 0246 0934  
04778LOAD 4779  
04779LOAD 4780  
04780LOAD 4781  
04781LOAD 4782  
04782LOAD 4783  
04783LOAD 4784 0262 0933 0934  
04784LOAD 4785  
04785LOAD 4786  
04786LOAD 4787 0243 0262 0463 0464  
04787LOAD 4788 0246 0262  
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04789LOAD 4790 0241  
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04803LOAD 4804  
04804LOAD 4805  
04805LOAD 4806 0217  
04806LOAD 4807 0085  
04807LOAD 4808  
04808LOAD 4809 0241 0212 0491  
04809LOAD 4810 0426 0212  
04810LOAD 4811 0426 0241 0426 0212  
04811LOAD 4812 0491 0426 0241  
04812LOAD 4813  
04813LOAD 4814 0944 0945  
04814LOAD 4815 0272 0950  
04815LOAD 4816 0273 0951  
04816LOAD 4817 0930 0929  
04817LOAD 4818 0952 0952  
04818LOAD 4819  
04819LOAD 4820  
04820LOAD 4821



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04821 048210 MOVE 1 TO A-F.
04822 048220 GO TO POSITION-ITEM-SECTION.
04823 048230*
04824 048240* GO THRU PUS & BAL AGAIN
04825 048250 CONT-ITER.
04826 048260*
04827 048270*
04828 048280* FOLLOWING TESTS DETERMINE LAST ITERATION STATUS AS FOLLOWS
04829 048290*
04830 048300* NO-ITER NEGATIVE AND A-F SWITCH ON---
04831 048310* FORCED ST-LINE OUT OF BALANCE...REBUILD PREVIOUS LOAD
04832 048320*
04833 048330* NO-ITER NEGATIVE AND NO-LOADED = UNLLC---
04834 048340* GOOD LOAD AFTER WAS-SPREAD...TIME TO STOP
04835 048350*
04836 048360* NO-ITER NEGATIVE AND NO-LOADED < UNLLC---
04837 048370* SPREAD TOO FAR--CANT GET ALL ITEMS THAT WERE IN ORIG LOAD
04838 048380* REBUILD LAST LOAD
04839 048390*
04840 048400*
04841 048410 IF NO-ITER LESS THAN 0 AND A-F = 1 MOVE 0 TO A-F
04842 048420 GO TO EQ-LD-REST-2.
04843 048430 IF NO-ITER LESS THAN 0 AND NO-LOADED = UNLLC
04844 048440 GO TO POSITION-AND-BALANCE-EXIT.
04845 048450 IF NO-ITER LESS THAN 0 AND NO-LOADED LESS THAN UNLLC
04846 048460 GO TO EQ-LD-REST-2.
04847 048470 IF X-AXIS = 0 AND Y-AXIS = 0
04848 048480 COMPUTE NO-ITER = NO-ITER - 1.
04849 048490 MOVE SHIFT-X TO SAV-X.
04850 048500 MOVE SHIFT-Y TO SAV-Y.
04851 048510 MOVE PLANNING-CG TO SAV-CGC.
04852 048520 IF NO-ITER LESS THAN 0 NEXT SENTENCE ELSE
04853 048530 ADD 1 TO NO-ITER.
04854 048540 ADD X-AXIS TO SHIFT-X.
04855 048550 ADD Y-AXIS TO SHIFT-Y.
04856 048560 IF NO-ITER = 1 GO TO REST-EQUIP-LOAD
04857 048570 ELSE GO TO EQ-LD-REST-2.
04858 048580 QUIT-SPREAD.
04859 048590 MOVE SAV-X TO SHIFT-X.
04860 048600 MOVE SAV-Y TO SHIFT-Y.
04861 048610 MOVE SAV-CGC TO PLANNING-CG.
04862 048620 MOVE SAV-CGC TO DESIRED-CG.
04863 048630 IF Y-AXIS = 0 GO TO SHUT-DOWN-X.
04864 048640 MOVE 0 TO Y-AXIS.
04865 048650 GO TO CONT-ITER.
04866 048660 SHUT-DOWN-X.
04867 048670 MOVE 0 TO X-AXIS.
04868 048680 GO TO CONT-ITER.
04869 048690 EQ-LD-REST-2.
04870 048700 COMPUTE SPECIAL-LOAD-CTR = SPECIAL-LOAD-CTR + 1.
04871 048710 IF FORCE-SPECIAL-LOAD = "Y"
04872 048720 AND SPECIAL-LOAD-CTR GREATER THAN 100
04873 048730 DISPLAY = FORCE SPECIAL LOAD =
04874 048740 MOVE "N" TO FORCE-SPECIAL-LOAD
04875 048750 GO TO POSITION-AND-BALANCE-EXIT.
04876 048760 MOVE "Y" TO FORCE-SPECIAL-LOAD.
04877 048770 MOVE 0 TO J.
0482100 04821000
0482200 04822000
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04878	048780	MOVE 0 TO Z.	048780	4879	0246
04879	048790	EQ-LD-REST-3.	048790	4880	
04880	048800	ADD 1 TO Z.	048800	4881	0246
04881	048810	IF Z GREATER THAN DNEQU GO TO EQ-LD-REST-4.	048810	4882	0246 0222
04882	048820	IF DLE-X (Z) = "X" ADD 1 TO J	048820	4883	0246 0246
04883	048830	MOVE EQUIP-LOAD-HLD (Z) TO EQUIP-LOAD (J).	048830	4884	0241 0415
04884	048840	IF J = DNLC GO TO EQ-LD-REST-4	048840	4885	0241 0221
04885	048850	ELSE GO TO EQ-LD-REST-3.	048850	4886	
04886	048860	EQ-LD-REST-4.	048860	4887	
04887	048870	MOVE J TO NO-EQUIP.	048870	4888	0241 0212
04888	048880	MOVE HIGH-VALUE TO LOW-CLASS.	048880	4889	0205
04889	048890	MOVE SAV-ALW-NT TO ALW-NT IN AIRCRAFT-DATA.	048890	4890	0250 0090
04890	048900	GO TO POSITION-ITEM-SECTION.	048900	4891	
04891	048910	POSITION-AND-BALANCE-EXIT.	048910	4892	
04892	048920	EXIT.	048920	4893	
04893	048930	SEGMENT 30 *****	048930	4894	
04894	048940	END-OF-JOB SECTION 30.	048940	4895	
04895	048950	EOF-AIRCRAFT.	048950	4896	
04896	048960	DISPLAY = ALP300---AIRCRAFT FILE EMPTY.	048960	4897	
04897	048970	MOVE HIGH-VALUE TO AIRCRAFT-EOF.	048970	4898	0207
04898	048980	OPERATION-REQUEST.	048980	4899	
04899	048990	MOVE 98 TO LINE-COUNT.	048990	4900	0210
04900	049000		049000	4901	
04901	049010	FORCE HEADING FIRST TIME THROUGH AVAIL/PASS.	049010	4902	
04902	049020		049020	4903	
04903	049030	MOVE SPACES TO LIST-AREA.	049030	4904	0664
04904	049040	IF PASS-EOF = HIGH-VALUE GO TO PASS-REBLT.	049040	4905	0202
04905	049050	REBUILD-AVAIL-PASS.	049050	4906	
04906	049060	IF PASS-ALRDY-KD NEXT SENTENCE	049060	4907	0197
04907	049070	ELSE	049070	4908	
04908	049080	READ AVAIL-PASS-FILE AT END GO TO PASS-REBLT.	049080	4909	0040
04909	049090	MOVE LOW-VALUE TO PASS-REBLT.	049090	4910	0136
04910	049100	MOVE AVAIL-PASS-REC TO MASTER-RECORD.	049100	4911	0046 0109
04911	049110	MOVE CORR SUB-MASTER-RECORD TO CARGO-LIST.	049110	4912	0112 0668
04912	049120	MOVE KEY-MFR TO SEQUENCE.	049120	4913	0110 0666
04913	049130	MOVE UID IN PRIORITIES (PR-MD IN MASTER-RECORD)	049130	4914	0410 0117
04914	049140	TO UID IN CARGO-LIST.	049140	4915	0669
04915	049150	ADD 1 TO LINE-COUNT.	049150	4916	0210
04916	049160	IF LINE-COUNT GREATER THAN LMCNT	049160	4917	0210
04917	049170	PERFORM END-HEADING-AP THRU END-HEADING-AP-EXIT.	049170	4918	0592
04918	049180	WRITE PRINTER-RECORD FROM LIST-AREA AFTER ADVANCING 1.	049180	4919	0174 0664
04919	049190	GO TO REBUILD-AVAIL-PASS.	049190	4920	
04920	049200	PASS-REBLT.	049200	4921	
04921	049210	MOVE 98 TO LINE-COUNT.	049210	4922	0210
04922	049220		049220	4923	
04923	049230	FORCE HEADING FIRST TIME THROUGH CARGO NOT LOADED.	049230	4924	
04924	049240		049240	4925	
04925	049250	MOVE SPACES TO LIST-AREA.	049250	4926	0664
04926	049260		049260	4927	
04927	049270	MOVE BEGIN-KEY TO KEY-MEN.	049270	4928	0233 0353
04928	049280	SEEK MASTER-FILE.	049280	4929	0103
04929	049290		049290	4930	
04930	049300	REPLACES -START- IN IBM 360 SYSTEM.	049300	4931	
04931	049310		049310	4932	
04932	049320	READ MASTER-FILE INVALID KEY DISPLAY = CANT BE ** BAD KEY =	049320	4933	0103
04933	049330	KEY-MEN.	049330	4934	0253
04934	049340	GO TO REBUILD-CARGO-1.	049340	4935	

4935	GO TO REBUILD-CARGO-1.	04935LOAD	4936
4936	REBUILD-CARGO.	04936LOAD	4937
4937	HEAD MASTER-FILE AT END GO TO REBUILD-AIRCRAFT.	04937LOAD	4938 0103
4938	IF SIZE-CODE IN MASTER-RECORD = "S" GO TO REBUILD-CARGO.	04938LOAD	4939 0122
4939	REBUILD-CARGO-1.	04939LOAD	4940
4940	IF SIZE-CODE IN MASTER-RECORD = "M" GO TO REBUILD-CARGO.	04940LOAD	4941 0122
4941	IF KEY-MFR = 99999999 GO TO REBUILD-CARGO.	04941LOAD	4942 0110
4942	MOVE CORRESPONDING SUB-MASTER-RECORD TO CARGO-LIST.	04942LOAD	4943 0112 0668
4943	MOVE KEY-MFR TO SEQUENCE.	04943LOAD	4944 0110 0666
4944	MOVE UID IN PRIORITIES (PM-NO IN MASTER-RECORD) TO	04944LOAD	4945 0410 0117
4945	UID IN CARGO-LIST.	04945LOAD	4946 0669
4946	ADD 1 TO LINE-COUNT.	04946LOAD	4947 0210
4947	IF LINE-COUNT GREATER THAN LMCNT	04947LOAD	4948 0210
4948	PERFORM END-HEADING-CP THRU END-HEADING-CP-EXIT.	04948LOAD	4949 0592
4949	IF FLIST = HIGH-VALUE	04949LOAD	4950 0583
4950	WRITE PRINTER-RECORD FROM LIST-AREA AFTER ADVANCING 1.	04950LOAD	4951 0174 0664
4951	GO TO REBUILD-CARGO.	04951LOAD	4952
4952	REBUILD-AIRCRAFT.	04952LOAD	4953
4953	MOVE 98 TO LINE-COUNT.	04953LOAD	4954
4954	MOVE SPACES TO LIST-AREA.	04954LOAD	4955 0210
4955	IF FCEN = HIGH-VALUE GO TO CLOSE-SHOP.	04955LOAD	4956
4956	MOVE 1 TO NO-AC.	04956LOAD	4957 0664
4957	SEEK AIRCRAFT-FILE.	04957LOAD	4958
4958	REPLACES "START" IN ILM 360 SYSTEM.	04958LOAD	4959 0590
4959	READ AIRCRAFT-FILE INVALID KEY	04959LOAD	4960 0234
4960	DISPLAY = BAD AIRCRAFT-FILE KEY = "NO-AC"	04960LOAD	4961 0075
4961	GO TO CLOSE-SHOP.	04961LOAD	4962
4962	GO TO REBUILD-AIRCRAFT-2.	04962LOAD	4963
4963	REBUILD-AIRCRAFT-1.	04963LOAD	4964
4964	READ AIRCRAFT-FILE AT END GO TO CLOSE-SHOP.	04964LOAD	4965 0075
4965	IF AC-NO IN AIRCRAFT-DATA = "LOADED"	04965LOAD	4966
4966	GO TO REBUILD-AIRCRAFT-1.	04966LOAD	4967 0234
4967	REBUILD-AIRCRAFT-2.	04967LOAD	4968
4968	IF AC-NO IN AIRCRAFT-DATA = "LOADED"	04968LOAD	4969
4969	GO TO REBUILD-AIRCRAFT-1.	04969LOAD	4970 0075
4970	MOVE CORRESPONDING AIRCRAFT-DATA TO AIRCRAFT-LIST.	04970LOAD	4971 0086
4971	MOVE PASS-UNT TO PASS-LNT-L.	04971LOAD	4972
4972	ADD 1 TO LINE-COUNT.	04972LOAD	4973 0086
4973	IF LINE-COUNT GREATER THAN LMCNT	04973LOAD	4974
4974	PERFORM END-HEADING-AIR THRU END-HEADING-AIR-EXIT.	04974LOAD	4975 0082 0684
4975	WRITE PRINTER-RECORD FROM LIST-AREA AFTER ADVANCING 1.	04975LOAD	4976 0091 0692
4976	GO TO REBUILD-AIRCRAFT-1.	04976LOAD	4977 0210
4977	END-HEADING-AP.	04977LOAD	4978 0210
4978	PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.	04978LOAD	4979 0210
4979	MOVE " " AVAILABLE PASSENGERS NOT LOADED ***	04979LOAD	4980 0592
4980	TO PRINTER-RECORD.	04980LOAD	4981 0174 0664
4981	PERFORM END-HEADING-UT THRU END-HEADING-UT-EXIT.	04981LOAD	4982
4982	EXIT.	04982LOAD	4983
4983	PERFORM PAGE-HEADING-EXIT.	04983LOAD	4984
4984	MOVE " " AVAILABLE PASSENGERS NOT LOADED ***	04984LOAD	4985 0174
4985	TO PRINTER-RECORD.	04985LOAD	4986
4986	PERFORM END-HEADING-UT THRU END-HEADING-UT-EXIT.	04986LOAD	4987
4987	EXIT.	04987LOAD	4988
4988	PERFORM PAGE-HEADING-EXIT.	04988LOAD	4989
4989	MOVE " " CARGO-PASSENGERS NOT LOADED ***	04989LOAD	4990
4990	TO PRINTER-RECORD.	04990LOAD	4991
4991	PERFORM END-HEADING-UT THRU END-HEADING-UT-EXIT.	04991LOAD	4992

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4992 049920      TO PRINTER-RECORD.
4993 049930      PERFORM END-HEADING-UT THRU END-HEADING-UT-EXIT.
4994 049940      END-HEADING-CP-EXIT.
4995 049950      EXIT.
4996 049960      END-HEADING-AIR.
4997 049970      PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.
4998 049980      MOVE = *** AIRCRAFT NOT USED ***
4999 049990      TO PRINTER-RECORD.
0500 050000      TO PRINTER-RECORD.
0501 050010      PERFORM END-HEADING-UT THRU END-HEADING-UT-EXIT.
0502 050020      END-HEADING-AIR-EXIT.
0503 050030      EXIT.
0504 050040      WRITE PRINTER-RECORD AFTER 2.
0505 050050      MOVE SPACES TO PRINTER-RECORD.
0506 050060      WRITE PRINTER-RECORD AFTER 1.
0507 050070      ADD 3 TO LINE-COUNT.
0508 050080      END-HEADING-UT-EXIT.
0509 050090      EXIT.
0510 050100      SEGMENT 60 *****
0511 050110      STATISTICS SECTION-60.
0512 050120      STATISTICS SECTION-60.
0513 050130      PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.
0514 050140      MOVE 0 TO ITERATIONS.
0515 050150      MOVE ALL "0" TO CHECK-NOTE.
0516 050160      WRITE PRINTER-RECORD FROM CHECK-MESSAGE AFTER ADVANCING 10.
0517 050170      STATISTICS-1.
0518 050180      ADD 1 TO ITERATIONS.
0519 050190      WRITE PRINTER-RECORD FROM CHECK-MESSAGE AFTER ADVANCING 1.
0520 050200      IF ITERATIONS LESS THAN 5 GO TO STATISTICS-1.
0521 050210      STATISTICS-2.
0522 050220      MOVE SPACES TO CHECK-NOTE.
0523 050230      WRITE PRINTER-RECORD FROM CHECK-MESSAGE AFTER ADVANCING 1.
0524 050240      MOVE = S T A I S T I C S TO CHECK-NOTE.
0525 050250      WRITE PRINTER-RECORD FROM CHECK-MESSAGE AFTER ADVANCING 1.
0526 050260      MOVE SPACES TO CHECK-NOTE.
0527 050270      WRITE PRINTER-RECORD FROM CHECK-MESSAGE AFTER ADVANCING 1.
0528 050280      MOVE 0 TO I J K.
0529 050290      STATISTICS-3.
0530 050300      MOVE ALL "0" TO CHECK-NOTE.
0531 050310      WRITE PRINTER-RECORD FROM CHECK-MESSAGE AFTER ADVANCING 1.
0532 050320      IF I = 3 GO TO STATISTICS-5.
0533 050330      ADD 1 TO I.
0534 050340      ADD 3 TO J.
0535 050350      MOVE STAT-TITLE-111 TO CHECK-NOTE.
0536 050360      WRITE PRINTER-RECORD FROM CHECK-MESSAGE AFTER ADVANCING 1.
0537 050370      MOVE SPACES TO CHECK-NOTE.
0538 050380      STATISTICS-4.
0539 050390      IF J = K GO TO STATISTICS-3.
0540 050400      ADD 1 TO K.
0541 050410      MOVE STAT-SUB1 (K) TO REFERENCE.
0542 050420      MOVE STAT-SUB2 (K) TO AVAIL.
0543 050430      MOVE STAT-SUB3 (K) TO LOADED.
0544 050440      WRITE PRINTER-RECORD FROM CHECK-MESSAGE AFTER ADVANCING 1.
0545 050450      GO TO STATISTICS-4.
0546 050460      STATISTICS-5.
0547 050470      ADD 1 TO ITERATIONS.
0548 050480      WRITE PRINTER-RECORD FROM CHECK-MESSAGE AFTER ADVANCING 1.
0499210AD 4993 0174
0499310AD 4994
0499410AD 4995
0499510AD 4996
0499610AD 4997
0499710AD 4998
0499810AD 4999
0499910AD 5000 0174
0500010AD 5001
0500110AD 5002
0500210AD 5003
0500310AD 5004
0500410AD 5005 0174
0500510AD 5006 0174
0500610AD 5007 0174
0500710AD 5008 0210
0500810AD 5009
0500910AD 5010
0501010AD 5011
0501110AD 5012
0501210AD 5013
0501310AD 5014
0501410AD 5015 0211
0501510AD 5016 0656
0501610AD 5017 0174 0653
0501710AD 5018
0501810AD 5019 0211
0501910AD 5020 0174 0653
0502010AD 5021 0211
0502110AD 5022
0502210AD 5023 0656
0502310AD 5024 0174 0653
0502410AD 5025 0656
0502510AD 5026 0174 0653
0502610AD 5027 0656
0502710AD 5028 0174 0653
0502810AD 5029 0260 0241 0242
0502910AD 5030
0503010AD 5031 0656
0503110AD 5032 0174 0653
0503210AD 5033 0240
0503310AD 5034 0240
0503410AD 5035 0241
0503510AD 5036 0617 0240 0656
0503610AD 5037 0174 0653
0503710AD 5038 0656
0503810AD 5039
0503910AD 5040 0241 0242
0504010AD 5041 0242
0504110AD 5042 0650 0242 0657
0504210AD 5043 0651 0242 0659
0504310AD 5044 0652 0242 0661
0504410AD 5045 0174 0653
0504510AD 5046
0504610AD 5047
0504710AD 5048 0211
0504810AD 5049 0174 0653

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05.49 050490 IF ITERATIONS LESS THAN 10 GO TO STATISTICS-5.
05.51 050500 STATISTICS-EXIT.
05.51 050510 EXIT.
05.52 050520 INVALID-KEY-REWRITE SECTION 60.
05.53 050530 INVALID-KEY-MFN.
05.54 050540 DISPLAY "ALPS401-INVKEY=".
05.55 050550 DISPLAY "KEY-MFB = = KEY-MFB.
05.56 050560 DISPLAY "KEY-MFN = = KEY-MFN.
05.57 050570 GO TO CLOSE-SHOP.
05.58 050580 INVALID-KEY-MFB.
05.59 050590 DISPLAY "ALPS402-OUTKEY=".
05.61 050600 DISPLAY "KEY-MFB = = KEY-MFB.
05.61 050610 DISPLAY "KEY-MFN = = KEY-MFN.
05.62 050620 INV-AIR.
05.63 050630 DISPLAY = NO-AC = NO-AC.
05.64 050640 CLOSE-SHOP.
05.65 050650 PERFORM PAGE-HEADING THRU PAGE-HEADING-EXIT.
05.66 050660 MOVE SPACES TO PRINTER-RECORD.
05.67 050670 MOVE "END OF JOB" TO EDJ-MESS.
05.68 050680 WRITE PRINTER-RECORD AFTER ADVANCING 25.
05.69 050690 CLOSE MASTER-FILE AIRCRAFT-FILE HELI-LOAD-FILE.
05.71 050700 CLOSE PRINTER-FILE.
05.71 050710*JOB-END.
05.72 050720 STOP RUN.

LUAMP LENGTH IS 071125
073500B SCM USED

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05C49LOAD 5050 0211
05C50LOAD 5051
05C51LOAD 5052
05C52LOAD 5053
05C53LOAD 5054
05C54LOAD 5055
05C55LOAD 5056 0111
05C56LOAD 5057 0253
05C57LOAD 5058
05C58LOAD 5059
05C59LOAD 5060
05C60LOAD 5061 0111
05C61LOAD 5062 0253
05C62LOAD 5063
05C63LOAD 5064 0234
05C64LOAD 5065
05C65LOAD 5066
05C66LOAD 5067 0174
05C67LOAD 5068 0179
05C68LOAD 5069 0174
05C69LOAD 5070 0103 0075 0137
05C70LOAD 5071 0171
05C71LOAD 5072
05C72LOAD 5073

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6000 COROL PROCEDURE NAME CROSS REFERENCE LIST  
REFERENCES

DEFINITION

NAME

ADJ-PAX-MAX	01500	01494			
ADJ-RPMT	01391	01404			
AFT-LOOK	04378	04354			
AFT-SHIFT	04630	04625			
ALL-RAILS	04156	04152			
BD-1	02802	02792			
BD-1A	02787	02785			
BD-1B	02789	02799			
BD-2	02806	02816			
BD-4	02810	02808			
BD-5	02817	02786	02801	02809	
BY-PASS-CS	01525	01499	01528	01532	
CALC-MOMENT	04562	02423	03933		
CANT-SHIFT	04665	04661	04642	04649	
CAN-NE-SHIFT	04634	04629			
CAN-NE-SHIFT-1	04650	04644			
CAN-NE-TAKE-REQ	02931	02927			
CENTER-LINE-DECK	03969	03965			
CENTER-LOAD	03964	03959	04161		
CG-1-EM5	04424	04411	04418	04420	
CHP-CU1	04427	04423			
CHP-CU2	01073	01177	01446	01564	01565 01700
CHP-CU3	01077	01087			
CK1	01089	01177	01447	01455	01561 01566 01701
CK2	01091	01072			
CK3	04581	04518			
CK-BALANCE	04589	04580	04582	04584	04586
CK-BY-PASS-1	04403	04596			
CK-CREATE-PAL	04571	03941	03942	04054	
CK-FIRST-ITEM	02697	02701	02704	02709	02716
CK-FOR-AVAILABLE-SPACE	03052	03797			
CK-FOR-BY-PASSED	04321	04366			
CK-FOR-PALLET-LOAD	04293	04034	04107	04240	04266 04284
CK-IT	02688	02678			
CK-LEFT-SIDE	03913	03884			
CK-LENGTH	04033	04010	04020	04022	
CK-LDC	04239	04218	04227	04229	
CK-MAX-AFT	02599	02584			
CK-NEXT	04327	04391			
CK-NEXT-1-EM	02574	NONE			
CK-RETURN-LOADED	02611	02564	03912		
CK-RETURN-NOT-LOADED	03882	03885	02865	02884	02885 02886 02887 02888 02891 02899 02956
CK-SPACE-EXIT	04117	04114			
CK-WIDTH	04137	04069	04126		
CLOSE-SHOP	04392	04326	04372	04390	04470
CL-EO-LU	04336	04350			
CONF-SET-UP-EXIT	05064	02148	02280	02813	04958 04966 04969 05057
CONT-INT-PARM	04754	04749			
CONT-ITER	01331	01317	01320	01323	01325
CONT-1	01187	NONE			
COUNT-LOAD	04825	04615	04674	04706	04865 04868
CREATE-ITEM-TWO	01165	01160			
	03880	03875			
	02957	02900			

6000 CUBOL-PROCEDURE NAME CROSS REFERENCE LIST  
REFERENCES

NAME	DEFINITION	0000	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100	0101	0102	0103	0104	0105	0106	0107	0108	0109	0110	0111	0112	0113	0114	0115	0116	0117	0118	0119	0120	0121	0122	0123	0124	0125	0126	0127	0128	0129	0130	0131	0132	0133	0134	0135	0136	0137	0138	0139	0140	0141	0142	0143	0144	0145	0146	0147	0148	0149	0150	0151	0152	0153	0154	0155	0156	0157	0158	0159	0160	0161	0162	0163	0164	0165	0166	0167	0168	0169	0170	0171	0172	0173	0174	0175	0176	0177	0178	0179	0180	0181	0182	0183	0184	0185	0186	0187	0188	0189	0190	0191	0192	0193	0194	0195	0196	0197	0198	0199	0200	0201	0202	0203	0204	0205	0206	0207	0208	0209	0210	0211	0212	0213	0214	0215	0216	0217	0218	0219	0220	0221	0222	0223	0224	0225	0226	0227	0228	0229	0230	0231	0232	0233	0234	0235	0236	0237	0238	0239	0240	0241	0242	0243	0244	0245	0246	0247	0248	0249	0250	0251	0252	0253	0254	0255	0256	0257	0258	0259	0260	0261	0262	0263	0264	0265	0266	0267	0268	0269	0270	0271	0272	0273	0274	0275	0276	0277	0278	0279	0280	0281	0282	0283	0284	0285	0286	0287	0288	0289	0290	0291	0292	0293	0294	0295	0296	0297	0298	0299	0300	0301	0302	0303	0304	0305	0306	0307	0308	0309	0310	0311	0312	0313	0314	0315	0316	0317	0318	0319	0320	0321	0322	0323	0324	0325	0326	0327	0328	0329	0330	0331	0332	0333	0334	0335	0336	0337	0338	0339	0340	0341	0342	0343	0344	0345	0346	0347	0348	0349	0350	0351	0352	0353	0354	0355	0356	0357	0358	0359	0360	0361	0362	0363	0364	0365	0366	0367	0368	0369	0370	0371	0372	0373	0374	0375	0376	0377	0378	0379	0380	0381	0382	0383	0384	0385	0386	0387	0388	0389	0390	0391	0392	0393	0394	0395	0396	0397	0398	0399	0400	0401	0402	0403	0404	0405	0406	0407	0408	0409	0410	0411	0412	0413	0414	0415	0416	0417	0418	0419	0420	0421	0422	0423	0424	0425	0426	0427	0428	0429	0430	0431	0432	0433	0434	0435	0436	0437	0438	0439	0440	0441	0442	0443	0444	0445	0446	0447	0448	0449	0450	0451	0452	0453	0454	0455	0456	0457	0458	0459	0460	0461	0462	0463	0464	0465	0466	0467	0468	0469	0470	0471	0472	0473	0474	0475	0476	0477	0478	0479	0480	0481	0482	0483	0484	0485	0486	0487	0488	0489	0490	0491	0492	0493	0494	0495	0496	0497	0498	0499	0500	0501	0502	0503	0504	0505	0506	0507	0508	0509	0510	0511	0512	0513	0514	0515	0516	0517	0518	0519	0520	0521	0522	0523	0524	0525	0526	0527	0528	0529	0530	0531	0532	0533	0534	0535	0536	0537	0538	0539	0540	0541	0542	0543	0544	0545	0546	0547	0548	0549	0550	0551	0552	0553	0554	0555	0556	0557	0558	0559	0560	0561	0562	0563	0564	0565	0566	0567	0568	0569	0570	0571	0572	0573	0574	0575	0576	0577	0578	0579	0580	0581	0582	0583	0584	0585	0586	0587	0588	0589	0590	0591	0592	0593	0594	0595	0596	0597	0598	0599	0600	0601	0602	0603	0604	0605	0606	0607	0608	0609	0610	0611	0612	0613	0614	0615	0616	0617	0618	0619	0620	0621	0622	0623	0624	0625	0626	0627	0628	0629	0630	0631	0632	0633	0634	0635	0636	0637	0638	0639	0640	0641	0642	0643	0644	0645	0646	0647	0648	0649	0650	0651	0652	0653	0654	0655	0656	0657	0658	0659	0660	0661	0662	0663	0664	0665	0666	0667	0668	0669	0670	0671	0672	0673	0674	0675	0676	0677	0678	0679	0680	0681	0682	0683	0684	0685	0686	0687	0688	0689	0690	0691	0692	0693	0694	0695	0696	0697	0698	0699	0700	0701	0702	0703	0704	0705	0706	0707	0708	0709	0710	0711	0712	0713	0714	0715	0716	0717	0718	0719	0720	0721	0722	0723	0724	0725	0726	0727	0728	0729	0730	0731	0732	0733	0734	0735	0736	0737	0738	0739	0740	0741	0742	0743	0744	0745	0746	0747	0748	0749	0750	0751	0752	0753	0754	0755	0756	0757	0758	0759	0760	0761	0762	0763	0764	0765	0766	0767	0768	0769	0770	0771	0772	0773	0774	0775	0776	0777	0778	0779	0780	0781	0782	0783	0784	0785	0786	0787	0788	0789	0790	0791	0792	0793	0794	0795	0796	0797	0798	0799	0800	0801	0802	0803	0804	0805	0806	0807	0808	0809	0810	0811	0812	0813	0814	0815	0816	0817	0818	0819	0820	0821	0822	0823	0824	0825	0826	0827	0828	0829	0830	0831	0832	0833	0834	0835	0836	0837	0838	0839	0840	0841	0842	0843	0844	0845	0846	0847	0848	0849	0850	0851	0852	0853	0854	0855	0856	0857	0858	0859	0860	0861	0862	0863	0864	0865	0866	0867	0868	0869	0870	0871	0872	0873	0874	0875	0876	0877	0878	0879	0880	0881	0882	0883	0884	0885	0886	0887	0888	0889	0890	0891	0892	0893	0894	0895	0896	0897	0898	0899	0900	0901	0902	0903	0904	0905	0906	0907	0908	0909	0910	0911	0912	0913	0914	0915	0916	0917	0918	0919	0920	0921	0922	0923	0924	0925	0926	0927	0928	0929	0930	0931	0932	0933	0934	0935	0936	0937	0938	0939	0940	0941	0942	0943	0944	0945	0946	0947	0948	0949	0950	0951	0952	0953	0954	0955	0956	0957	0958	0959	0960	0961	0962	0963	0964	0965	0966	0967	0968	0969	0970	0971	0972	0973	0974	0975	0976	0977	0978	0979	0980	0981	0982	0983	0984	0985	0986	0987	0988	0989	0990	0991	0992	0993	0994	0995	0996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6000 CUBUL PROCEDURE NAME CROSS REFERENCE LIST  
REFERENCES

NAME	DEFINITION	02478	02482	02486	02610	
FIND-PASS-CD	02557 02472					
FIND-REQ-PASS	02902 02897					
FIN-PASS	02719 02499	02510	02513	02514	02518	02556
FIRST-ITEM-FWD	02841 02830					
FLTP-EQ-LD	04804 04792					
FLUSH-BYPASS	01460 01423	01425	01426	01432		
FLUSH-PASS-FILE	01427 NONE					
FND-REQ-PASS	02869 02413					
FORCE-CENTER	04015 NONE	02637	02650			
FORCE-IT	04435 04400					
FWD-LUOK	04373 04361					
GEN-CL30	01655 01641	01645				
GEN-CL41	01646 01642					
GEN-CS	01664 01618	01622	01634	01640		
GET-ANOTHER-PASS	02496 02414	02529	02554			
HD-1	02269 02259					
HD-1-A	02254 02245					
HD-1-B	02256 02266					
HD-2	02273 02283					
HD-4	02277 02275					
HD-5	02284 02253	02268	02276			
HELI-DELETE	02226 02108					
HELI-DELETE-ANT	02305 02298					
HELI-DELETE-EXIT	02396 02108	02231	02371			
HELI-DELETE-FIND-PASS	02331 02328	02342	02358	02365		
HELI-DELETE-FLAG-MASTER	02310 02304	02309				
HELI-DELETE-F-P-EXIT	02366 02329	02335	02337	02339		
HELI-DELETE-INC	02285 02236	02299	02302	02307	02330	
HELI-DELETE-INITIALIZE	02227 NONE					
HELI-DELETE-LMT	02300 02296					
HELI-DELETE-PAX-MAX	02359 02344	02347				
HELI-DELETE-SEI-PNTRS	02368 02292	02376	02395			
HELI-DELETE-SET-PNTRS-1	02372 02378	02380	02382			
HELI-DELETE-START-MASTER	02227 02212	02235				
HELI-MANIFEST-CARGO	03518 03454					
HELI-MANIFEST-CARGO-2	03560 03568	03601				
HELI-PB-CALC-MNT-CR 5	03842 03821					
HELI-PB-LOAD	03410 03804	03808				
HELI-PICK	02024 01838					
HELI-PICK-ELIMINATION	02025 NONE					
HELI-PICK-EXIT-1	02101 02064	02074	02086	02090	02093	
HELI-PICK-INITIALIZATION	02051 02047					
HELI-PICK-READ	02075 02071	02096	02098			
HELI-PICK-SET-CLASS-2	02128 02119	02122	02125	02127		
HELI-PICK-STORE	02065 02100					
HELI-POSITION-EXIT	03848 03806	03809				
HELI-POSITION-MASTER	02398 02105	02109				
HELI-POSITION-MASTER-PARA	02399 NONE					
HELI-P-R-EXIT	02402 02106	02109				
HELI-READ	02185 02181					
HELI-RECORD-FOUND	02149 NONE					
HELI-RECORD-SEARCH	02141 02180					
HELI-SELECT	02135 02103					
HELI-SELECT-AC-SET	02158 02138	02155				
HELI-SELECT-EXIT	02224 02103	02218				

## REFERENCE LIST

## DEFINITION

## NAME \_\_\_\_\_

[illegible]



6000 CUBOL PROCEDURE NAME CROSS REFERENCE LIST  
REFERENCES

[illegible]

NAME	DEFINITION	6000 CUBUL	PRUCEURE NAME	CROSS REFERENCE LIST	REFERENCES
PICK-CALC-1	01867	01928			
PICK-CALC-2	01870	01945			
POSITION-AND-BALANCE-EXIT	04891	01466	03758	03879	04574 04704 04844 04875
POSITION-ITEMS	03755	01466			
POSITION-ITEM-SECTION	03756	04717	04788	04822	04890
POS-AIR-FILE	01180	NONE			
PRINT-STATIONS-1	03119	03131			
PRINT-STATIONS-2	03127	03130			
PRINT-STATIONS-3	03136	03138			
QUIT-SPREAD	04858	04577	04675		
RAMP-LOAD	04247	03962			
REBUILD-AIRCRAFT	04952	04937			
REBUILD-AIRCRAFT-1	04968	04971	04974	04981	
REBUILD-AIRCRAFT-2	04972	04967			
REBUILD-AVALIL-PASS	04905	04919			
REBUILD-CARGO	04936	04938	04940	04941	04951
REBUILD-CARGO-1	04939	04934	04935		
REQUIRE-PAX-PROBLEM	03705	03675			
REQ-PASS-FNO-EXIT	02717	02414	02488	02691	02699
RESET-IND	03930	04039	04122	04123	04243 04272 04290
RESET-PASS-1NX	02909	NONE			
RESET-EQUIP-LOAD	04719	04857			
RET-DKG-ELD	04707	04689			
REWRITE-1	02877	02937			
RIGHT-LOAD	04222	NONE			
RPRT-ADJ	01605	01384	01385	01393	
RIN-EG-LOAD	04737	04727			
SAVED-LO	03772	03767			
SCHEMATIC	03096	NONE			
SCHEMATIC-EXIT	03431	03322	03508	03552	03600 03607
SEARCH-PK-LOC-1	03146	03153	03156		
SECOND-ITEM-AFT	02995	02982			
SEE-IF-F1	04438	NONE			
SEL-ITEM-FOR-LOADING	01844	01891	02221		
SET-LUAD-PIC	03157	03149			
SET-LUAD-PIC-HELI	03329	03262			
SET-LUAD-PIC-HELI-1	03349	03339			
SET-LUAD-PIC-HELI-2	03354	03360			
SET-LUAD-PIC-HELI-3	03361	03340	03367		
SET-LUAD-PIC-HELI-4	03368	03341			
SET-LUAD-PIC-HELI-5	03370	03376			
SET-LUAD-PIC-HELI-6	03377	03342	03343	03344	03345 03346 03347
SET-LUAD-PIC-HELI-7	03384	03382			
SET-LUAD-PIC-HELI-8	03403	03383			
SET-LUAD-PIC-HELI-9	03422	03388	03394	03402	03407 03413 03421 03428
SET-LUAD-PIC-1	03161	03313			
SET-LUAD-PIC-10	03297	03267	03275		
SET-LUAD-PIC-11	03299	03304			
SET-LUAD-PIC-12	03306	03230	03308		
SET-LUAD-PIC-13	03309	03197	03218	03244	03248 03288 03291 03294 03305 03336 03348 03359 03366
SET-LUAD-PIC-2	03164	03310	03375	03427	
SET-LUAD-PIC-3	03249	03246	03296		
SET-LUAD-PIC-4	03256	03246			
SET-LUAD-PIC-5	03263	03247			

6000 CUBUL PROCEDURE NAME CROSS REFERENCE LIST

REFERENCES

NAME	DEFINITION	REFERENCES
SET-LOAD-PIC-6	03276 03247	
SET-LOAD-PIC-7	03268 03247	
SET-LOAD-PIC-8	03282 03255	03262 03287
SET-LOAD-PIC-9	03289 03236	03238
SET-UP-LEFT	02595 02622	02625
SET-UP-RIGHT	02607 02623	
SET-C130	02674 02665	
SHIFT-BYPASS	01486 01470	01472
SHIFT-IT	04565 04551	02462 02740 02751 04457 04548 04553 04702
SHIFT-IT-EXIT	04558 04551	02462 02740 02751 04457 04548 04553 04702
SHIFT-RIGHT	01474 01484	
SHUT-DOWN-X	04866 04863	
SIDE-EXIT	02824 02612	
SORT-LOAD	03011 01461	
SORT-LOAD-EXIT	03040 01461	03016
SORT-LOAD-SEC-ION-15	03012 NONE	
SORT-LOAD-1	03014 03030	
SORT-LOAD-2	03019 03032	
SORT-LOAD-3	03021 03039	
SORT-LOAD-4	03029 03026	03038
SORT-LOAD-5	03033 03024	03028
SORT-LOAD-6	03074 03054	
SORT-LOAD-7	03052 03084	
SORT-LOAD-8	03057 03066	
SORT-LOAD-9	03059 03073	
SORT-LOAD-10	03063 03072	
SORT-LOAD-11	03067 03062	
STATISTICS	05011 01081	01178 01269 01283 01292 01442 01455 01541 01566 01701
STATISTICS-EXIT	05050 01082	01178 01270 01284 01293 01448 01456 01562 01567 01702
STATISTICS-1	05012 NONE	
STATISTICS-2	05021 NONE	
STATISTICS-3	05029 05039	
STATISTICS-4	05038 05045	
STATISTICS-5	05046 05032	05049
STATISTICS-6	04790 04799	
STATISTICS-7	04554 04549	
STATISTICS-8	04092 04088	
STATISTICS-9	02921 02905	
STATISTICS-10	01905 01901	
STATISTICS-11	02980 02976	
STATISTICS-12	04693 04636	04662 04669
STATISTICS-13	02560 02598	
STATISTICS-14	03779 03793	
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STATISTICS-100		

# 6000 CURDL DATA NAME CROSS REFERENCE LIST

NAME	DEFINITION	REFERENCES											
		03254	03389	03390	03395	03396	03400	03401	03408	03409	03414	03415	
A		03254	03389	03390	03395	03396	03400	03401	03408	03409	03414	03415	
AREA		03420	03451	03452	03585	03588	03589	03613					
ACL-C130		03462	03536	03618	03620								
ACL-C141													
ACL-C5		00852	03474										
ACL-HULD		00528	01662										
ACL-HULF		00536	01653										
ACL-CENTER		00544	01671										
ACL-HTH		00553	NONE										
ACL-LH		00277	03954										
ACL-HUD		00928	01333	03967	03970	03971	04067	04165					
		00927	03122	03225	03228	03488							
		00085	01253	01302	01303	01304	01471	01491	01498	01509	01513	01517	01521
			01584	01585	01586	01652	01661	01670	01846	01849	01859	01923	01991
		02159	02161	02163	02207	03110	03179	03190	03200	03211	03625	03626	03638
		03639	03917	03919	04042	04044	04046	04048	04048	04048	04048	04048	04048
AC-HUD		NONE											
AC-HUD		00745	NONE										
AC-HUD		00763	NONE										
AC-HU		00086	01229	01237	01443	01528	01547	01578	01582	01697	01776	02523	02534
		04973											04970
AC-ND		00687	NONE										
AC-ND		00743	NONE										
AC-PA		00100	01239	01241	01446	01700	01775	02526	02533				
AC-RS-KEY		00255	01160	01349	01369	01475	02596	03183	03208	03881	03870	03872	03887
AC-RTH		00926	01332	03273	04067	04105	04105	04180					03954
		00290	03973	04030	04185	04236							
AFT-HALF		00933	04003	04007	04024	04026	04032	04085	04143	04145	04146	04185	04213
AFT-RAMP-HINGE		04211	04215	04232	04238	04276	04276	04443	04444	04476	04493	04502	04502
AFT-SIA		00192	02445	02446	02659	02745	02746	04453	04454	04476	04493	04502	04502
		00282	04632	04633									
			02471	02477	02481	02485	02576	02609	02612	02615	02616	03996	04002
			04003	04004	04006	04008	04009	04014	04018	04019	04028	04031	04074
			04083	04083	04134	04146	04201	04204	04210	04211	04212	04214	04217
			04221	04225	04226	04234	04234	04237	04264	04280	04281	04320	04357
			04364	04364	04365	04377	04405	04421	04445	04482	04485	04485	04485
ANI-DIT-DEC		00351	02235	02306	02308								
AIRCRAFT-DATA		00082	01242	01552	01619	03075	03076	04975					
AIRCRAFT-EDF		00207	01081	01179	01226	01271	01526	04897					
AIRCRAFT-FILE		00075	01101	01183	01227	01286	01287	01527	04960	04964	04969	05059	
AIRCRAFT-LIST		00684	04975										
AIRCRAFT-RECORD		00081	01579										
AIRCRAFT-USED		00307	01244	01382	01544	01553							
AIR-KEY		00083	NONE										
AIR-KEYS		00956	01832	01887	01975	01976	01998						
ALL-PALLET-FLG		00187	01216	02436	02728	03928	04041	04398	04572				
ALL-PASS-FLG		00186	01215	01501	01502	01520	01534	02412	02500	02584	02720		
ALW-CU		00753	01336	01353	01373								
ALW-WT		00090	01482	01493	01593	01603	01613	01653	01662	01671	02633	03948	03989
		00691	04061	04196	04197	04409	04409	04647	04648	04716	04758	04859	
ALW-WT		NONE											
ALW-WT		00751	NONE										
AREA-AC		00227	01336	01353	01605								
AREA-C130		00226	01147										
AREA-C141		00225	01146										
AREA-C5		00224	01145	01373	01615								



6000 C0B0L DATA NAME CROSS REFERENCE LIST													
NAME	DEFINITION	REFERENCES											
ABRT	00256	01274	01280	01281	01733	01735	01736	02255	02257	02258	02270	02278	02279
ABRV-AFLD	00089	02768	02790	02791	02803	02811	02812						
ABRV-AFLD	00690	NONE											
ABRV-AFLD	00747	NONE											
ABRV-AFLD	00659	05042											
ABRV-AFLD	00040	01176	01430	02517	04908								
ABRV-AFLD	00046	01433	02539	02551	04910								
ABRV-AFLD	00637	01601	01602										
ABRV-AFLD	00634	01591	01592										
ABRV-AFLD	00631	01611	01612										
ABRV-AFLD	00208	04615	04705	04821	04841	04842							
ABRV-AFLD	00233	01139	04927										
ABRV-AFLD	00000	03166	03169	03172	03172	03253	03444	03447	03450	03450	03451		
ABRV-AFLD	00955	01828	01866	01972	01973	01998	02000	02118					
ABRV-AFLD	00491	01495	01925	01954	01980	01984	01984	03036	03036	03036	03036	03036	03036
ABRV-AFLD	00492	NONE	04809	04811									
ABRV-AFLD	00510	01919	01919										
ABRV-AFLD	00118	01754	01755	01756	01767	01768	01769	01791	01797	02886	02887	02888	
ABRV-AFLD	00422	NONE											
ABRV-AFLD	00433	03274	03864										
ABRV-AFLD	00454	02700											
ABRV-AFLD	00479	NONE											
ABRV-AFLD	00498	03463	03591	03697									
ABRV-AFLD	00556	01873	01874	02820	02822								
ABRV-AFLD	00474	NONE											
ABRV-AFLD	00486	03463	03591	03612	03622								
ABRV-AFLD	00888	03697											
ABRV-AFLD	00354	NONE											
ABRV-AFLD	00668	04911	04942										
ABRV-AFLD	00728	NONE											
ABRV-AFLD	00084	NONE											
ABRV-AFLD	00485	NONE											
ABRV-AFLD	00741	NONE											
ABRV-AFLD	00175	NONE											
ABRV-AFLD	00938	03895	04161	02828	02838	02849	02973	02993	03007				
ABRV-AFLD	00136	01861	01908	03219	03224	03862	03993	03997	04261	04205	04422	04426	
ABRV-AFLD	00443	02828	03219	03224	03862	03993	03						
ABRV-AFLD	00489	NONE											
ABRV-AFLD	00509	01906	01912	03484	03486	03490	03539						
ABRV-AFLD	00681	NONE											
ABRV-AFLD	00220	02425	02426	02426	02437	02438	02447	02458	02935	03936	04021	04081	
ABRV-AFLD	00135	06228	06252	06252	06353	06453	06460	06469	06450				
ABRV-AFLD	00219	NONE											
ABRV-AFLD	00465	02836	02847	02992	03005	03041	03062	03219	03234	03260	03468	03470	
ABRV-AFLD	00483	03485	03490	03530	03531	03532	03538	03784	03832	03869	04421	04425	
ABRV-AFLD	00517	04552	04557	04563									
ABRV-AFLD	00046	03468	03530	03616	03621	03628	03641	03644					
ABRV-AFLD	00466	01479	01479	02962	02963	03186	03785	03833	03870	04428			
ABRV-AFLD	00757	03077	03075										
ABRV-AFLD	00323	NONE											
ABRV-AFLD	00561	NONE											
ABRV-AFLD	00562	NONE											
ABRV-AFLD	00560	NONE											

NAME	DEFINITION	6000 CUBUL DATA NAME CROSS REFERENCE LIST	REFERENCES
CHECK-MESSAGE	00653	05016	05019 05023 05025 05027 05031 05036 05044 05048
CHECK-NOTE	00656	05015	05022 05024 05026 05030 05035 05037
CHK-ND	00101	02882	03079
CHK-ND-X	00102	02881	02881 03078 03078
CLITEMS	00954	01824	01885 01969 01970 01993 01995 02000 02002 02118 02121
CK-BAL-RETURN-IND	00306	04482	04620 04621
CODE-HOLD	00594	NONE	
COMENIS	00123	NONE	
CUMF-PAL	00099	01217	01314 01491 01620 01880 03853 03986 04194 04449 04521 04534 04687
COMMENTS	00436	03824	
COMMENTS	00457	NONE	
COMMENTS	00482	NONE	
COMMENTS	00500	03542	03543 03593 03594 03700
COMMENTS	00883	NONE	
COMMENTS	00890	03700	
COMMENTS-C	00501	03487	03595 03698 03699
COMMENTS	00300	01075	01087 01810
CONTROL-NUM	00264	01069	
CUID	00413	01083	01170
C130-LOADED	00629	01600	01602 01603 01604 01605 01644
C141-LOADED	00624	01590	01592 01593 01594 01595 01643
C5-LOADED	00623	01610	01612 01613 01614 01615
C-RESS-NUM	00325	NONE	
C-130-PAS	00601	01657	01658
C-130-PAS-M	00602	01510	01511
C-141-PAS	00603	01648	01649
C-141-PAS-M	00604	01514	01515 01650 01651
C-5-PAS	00605	01666	01667
C-5-PAS-M	00606	01668	01669
DATA-LINE	00176	03093	03141 03314 03432 03435 03505 03608 03633 03651 03656 03661 03665
DATE-AREA	00704	03654	03677 03680 03731 03746 03750
DATE-HOLD	00312	01195	
DATE-PREP	00791	03654	03658
DC-CHAR2	00705	01200	01204
DC-CHAR5	00707	01201	01204
DC-CHAR8	00709	01201	01203
DC-SL1	00706	NONE	
DC-SL2	00708	NONE	
DENSITY-C130	00638	01604	01604
DENSITY-C141	00635	01594	01594
DENSITY-CS	00632	01614	01614
DEP-AFLD	00088	NONE	
DEP-AFLD	00689	NONE	
DEP-AFLD	00755	NONE	
DESIPED-CG	00930	02652	02653 02654 02655 02656 02659 02661 02662 02663 02664 02665 02666 02667 02668 02669 02670 02671 02672 02673 02674 02675 02676 02677 02678 02679 02680 02681 02682 02683 02684 02685 02686 02687 02688 02689 02690 02691 02692 02693 02694 02695 02696 02697 02698 02699 02700 02701 02702 02703 02704 02705 02706 02707 02708 02709 02710 02711 02712 02713 02714 02715 02716 02717 02718 02719 02720 02721 02722 02723 02724 02725 02726 02727 02728 02729 02730 02731 02732 02733 02734 02735 02736 02737 02738 02739 02740 02741 02742 02743 02744 02745 02746 02747 02748 02749 02750 02751 02752 02753 02754 02755 02756 02757 02758 02759 02760 02761 02762 02763 02764 02765 02766 02767 02768 02769 02770 02771 02772 02773 02774 02775 02776 02777 02778 02779 02780 02781 02782 02783 02784 02785 02786 02787 02788 02789 02790 02791 02792 02793 02794 02795 02796 02797 02798 02799 02800 02801 02802 02803 02804 02805 02806 02807 02808 02809 02810 02811 02812 02813 02814 02815 02816 02817 02818 02819 02820 02821 02822 02823 02824 02825 02826 02827 02828 02829 02830 02831 02832 02833 02834 02835 02836 02837 02838 02839 02840 02841 02842 02843 02844 02845 02846 02847 02848 02849 02850 02851 02852 02853 02854 02855 02856 02857 02858 02859 02860 02861 02862 02863 02864 02865 02866 02867 02868 02869 02870 02871 02872 02873 02874 02875 02876 02877 02878 02879 02880 02881 02882 02883 02884 02885 02886 02887 02888 02889 02890 02891 02892 02893 02894 02895 02896 02897 02898 02899 02900 02901 02902 02903 02904 02905 02906 02907 02908 02909 02910 02911 02912 02913 02914 02915 02916 02917 02918 02919 02920 02921 02922 02923 02924 02925 02926 02927 02928 02929 02930 02931 02932 02933 02934 02935 02936 02937 02938 02939 02940 02941 02942 02943 02944 02945 02946 02947 02948 02949 02950 02951 02952 02953 02954 02955 02956 02957 02958 02959 02960 02961 02962 02963 02964 02965 02966 02967 02968 02969 02970 02971 02972 02973 02974 02975 02976 02977 02978 02979 02980 02981 02982 02983 02984 02985 02986 02987 02988 02989 02990 02991 02992 02993 02994 02995 02996 02997 02998 02999 03000 03001 03002 03003 03004 03005 03006 03007 03008 03009 03010 03011 03012 03013 03014 03015 03016 03017 03018 03019 03020 03021 03022 03023 03024 03025 03026 03027 03028 03029 03030 03031 03032 03033 03034 03035 03036 03037 03038 03039 03040 03041 03042 03043 03044 03045 03046 03047 03048 03049 03050 03051 03052 03053 03054 03055 03056 03057 03058 03059 03060 03061 03062 03063 03064 03065 03066 03067 03068 03069 03070 03071 03072 03073 03074 03075 03076 03077 03078 03079 03080 03081 03082 03083 03084 03085 03086 03087 03088 03089 03090 03091 03092 03093 03094 03095 03096 03097 03098 03099 03100 03101 03102 03103 03104 03105 03106 03107 03108 03109 03110 03111 03112 03113 03114 03115 03116 03117 03118 03119 03120 03121 03122 03123 03124 03125 03126 03127 03128 03129 03130 03131 03132 03133 03134 03135 03136 03137 03138 03139 03140 03141 03142 03143 03144 03145 03146 03147 03148 03149 03150 03151 03152 03153 03154 03155 03156 03157 03158 03159 03160 03161 03162 03163 03164 03165 03166 03167 03168 03169 03170 03171 03172 03173 03174 03175 03176 03177 03178 03179 03180 03181 03182 03183 03184 03185 03186 03187 03188 03189 03190 03191 03192 03193 03194 03195 03196 03197 03198 03199 03200 03201 03202 03203 03204 03205 03206 03207 03208 03209 03210 03211 03212 03213 03214 03215 03216 03217 03218 03219 03220 03221 03222 03223 03224 03225 03226 03227 03228 03229 03230 03231 03232 03233 03234 03235 03236 03237 03238 03239 03240 03241 03242 03243 03244 03245 03246 03247 03248 03249 03250 03251 03252 03253 03254 03255 03256 03257 03258 03259 03260 03261 03262 03263 03264 03265 03266 03267 03268 03269 03270 03271 03272 03273 03274 03275 03276 03277 03278 03279 03280 03281 03282 03283 03284 03285 03286 03287 03288 03289 03290 03291 03292 03293 03294 03295 03296 03297 03298 03299 03300 03301 03302 03303 03304 03305 03306 03307 03308 03309 03310 03311 03312 03313 03314 03315 03316 03317 03318 03319 03320 03321 03322 03323 03324 03325 03326 03327 03328 03329 03330 03331 03332 03333 03334 03335 03336 03337 03338 03339 03340 03341 03342 03343 03344 03345 03346 03347 03348 03349 03350 03351 03352 03353 03354 03355 03356 03357 03358 03359 03360 03361 03362 03363 03364 03365 03366 03367 03368 03369 03370 03371 03372 03373 03374 03375 03376 03377 03378 03379 03380 03381 03382 03383 03384 03385 03386 03387 03388 03389 03390 03391 03392 03393 03394 03395 03396 03397 03398 03399 03400 03401 03402 03403 03404 03405 03406 03407 03408 03409 03410 03411 03412 03413 03414 03415 03416 03417 03418 03419 03420 03421 03422 03423 03424 03425 03426 03427 03428 03429 03430 03431 03432 03433 03434 03435 03436 03437 03438 03439 03440 03441 03442 03443 03444 03445 03446 03447 03448 03449 03450 03451 03452 03453 03454 03455 03456 03457 03458 03459 03460 03461 03462 03463 03464 03465 03466 03467 03468 03469 03470 03471 03472 03473 03474 03475 03476 03477 03478 03479 03480 03481 03482 03483 03484 03485 03486 03487 03488 03489 03490 03491 03492 03493 03494 03495 03496 03497 03498 03499 03500 03501 03502 03503 03504 03505 03506 03507 03508 03509 03510 03511 03512 03513 03514 03515 03516 03517 03518 03519 03520 03521 03522 03523 03524 03525 03526 03527 03528 03529 03530 03531 03532 03533 03534 03535 03536 03537 03538 03539 03540 03541 03542 03543 03544 03545 03546 03547 03548 03549 03550 03551 03552 03553 03554 03555 03556 03557 03558 03559 03560 03561 03562 03563 03564 03565 03566 03567 03568 03569 03570 03571 03572 03573 03574 03575 03576 03577 03578 03579 03580 03581 03582 03583 03584 03585 03586 03587 03588 03589 03590 03591 03592 03593 03594 03595 03596 03597 03598 03599 03600 03601 03602 03603 03604 03605 03606 03607 03608 03609 03610 03611 03612 03613 03614 03615 03616 03617 03618 03619 03620 03621 03622 03623 03624 03625 03626 03627 03628 03629 03630 03631 03632 03633 03634 03635 03636 03637 03638 03639 03640 03641 03642 03643 03644 03645 03646 03647 03648 03649 03650 03651 03652 03653 03654 03655 03656 03657 03658 03659 03660 03661 03662 03663 03664 03665 03666 03667 03668 03669 03670 03671 03672 03673 03674 03675 03676 03677 03678 03679 03680 03681 03682 03683 03684 03685 03686 03687 03688 03689 03690 03691 03692 03693 03694 03695 03696 03697 03698 03699 03700 03701 03702 03703 03704 03705 03706 03707 03708 03709 03710 03711 03712 03713 03714 03715 03716 03717 03718 03719 03720 03721 03722 03723 03724 03725 03726 03727 03728 03729 03730 03731 03732 03733 03734 03735 03736 03737 03738 03739 03740 03741 03742 03743 03744 03745 03746 03747 03748 03749 03750 03751 03752 03753 03754 03755 03756 03757 03758 03759 03760 03761 03762 03763 03764 03765 03766 03767 03768 03769 03770 03771 03772 03773 03774 03775 03776 03777 03778 03779 03780 03781 03782 03783 03784 03785 03786 03787 03788 03789 03790 03791 03792 03793 03794 03795 03796 03797 03798 03799 03800 03801 03802 03803 03804 03805 03806 03807 03808 03809 03810 03811 03812 03813 03814 03815 03816 03817 03818 03819 03820 03821 03822 03823 03824 03825 03826 03827 03828 03829 03830 03831 03832 03833 03834 03835 03836 03837 03838 03839 03840 03841 03842 03843 03844 03845 03846 03847 03848 03849 03850 03851 03852 03853 03854 03855 03856 03857 03858 03859 03860 03861 03862 03863 03864 03865 03866 03867 03868 03869 03870 03871 03872 03873 03874 03875 03876 03877 03878 03879 03880 03881 03882 03883 03884 03885 03886 03887 03888 03889 03890 03891 03892 03893 03894 03895 03896 03897 03898 03899 03900 03901 03902 03903 03904 03905 03906 03907 03908 03909 03910 03911 03912 03913 03914 03915 03916 03917 03918 03919 03920 03921 03922 03923 03924 03925 03926 03927 03928 03929 03930 03931 03932 03933 03934 03935 03936 03937 03938 03939 03940 03941 03942 03943 03944 03945 03946 03947 03948 03949 03950 03951 03952 03953 03954 03955 03956 03957 03958 03959 03960 03961 03962 03963 03964 03965 03966 03967 03968 03969 03970 03971 03972 03973 03974 03975 03976 03977 03978 03979 03980 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NAME	DEFINITION	6000 CUBDL DATA NAME CROSS REFERENCE LIST	REFERENCES
D-SL1	00314	01198	
D-SL2	00316	01198	
EDIT-CHAR	00579	03129	03284
EDIT-FIELD	00578	03126	03254 03260 03280
END-UP-UNIT	00304	02016	
EDJ-MESS	00179	05067	
EP9	00094	01503	01651 01660 01669
EQUIP-KEY	00427	02769	03858
EQUIP-LOAD	00426	01853	01895 01925 01960 02775 02960 03034 03035 03036 03443 03528
EQUIP-LOADED	00441	01094	03813 03856 04708 04761 04755 04809 04810 04811 04883
EQUIP-LOAD-HLU	00415	01959	02321 02321 02860 02860 04883
EQUIP-MAX	00640	01148	02320 02320 02859 02859
E-PASS-LMT	00093	01503	01504
FACING	00766	01337	01354 01374 02829 02981 03222 03483 03485 03982 03992 04077 04190
FACING-EXCEPTION	00768	03081	04200 04411
FACING-EXCP	00923	03104	03104
FACING-FLAG	00232	03103	03796 04418
FACING-STATEMENT	00855	03440	
FDECK	00584	NONE	
FGEN	00590	01178	01182 01224 01494 01557 01577 02523 04958
FINTEG	00589	01236	01256 01381 01518 01440 01495 01529 01545 01625 01639 01676 01694
FIRST-KEY	00067	01138	02013 02016 02042 02527 02530 02541
FL151	00583	04949	01139 01140
FLS	00095	01318	01321 01322 01328 01345 01366
FLS9	00096	01315	01318 01321 01327 01327 01344 01344 01365 01365
FLUSH-PASS	00302	01219	01380 01385 01423 01424 01432 01454 01459 01465 01569 02543
FMATE	00586	01781	01798 01803 01814 01890 01938 02889 02894 02898
FORCE-SPECIAL-LOAD	00310	04871	04875 04876
FORM-NUMBER	00719	01192	
FORWARD-X	00281	02470	02476 02480 02484 02573 02608 02614 02616 04004 04005 04008 04008
		04017	04017 04018 04027 04027 04030 04032 04032 04082 04132 04145
		04212	04213 04216 04220 04224 04225 04233 04236 04238 04262
		04263	04264 04282 04320 04331 04357 04357 04364 04365 04382 04404 04415
		04425	04445 04462 04462 04465
		04425	04445 04462 04462 04465
FPLAN	00585	03105	03113 03132 03139 03311
FR10	00586	NONE	
EST-LOBL-SIA	00931	01316	01319 01322 01324 01328 01345 01366 01482 03122 03225 03867 03868
		03859	03985 03985 04079 04130 04193 04193 04256 04536 04542
FS-EF	00859	03490	
FS-SH	00861	03495	
FS-SR	00857	03493	
FIELE	00587	01890	01900 02975 03685 03690 03538
FMD-FUS	00850	03483	03685 03690 03538
FMD-HALF	00289	03978	03984 04017 04184 04192 04224
FMD-RAMP	00937	01301	01364 04136 04254
FMD-RAMP-HINGE	00934	01317	01320 01323 01324 03978 03979 04005 04007 04071 04131 04132 04134
		04186	04186 04213 04215 04257 04416 04477 04535 04560 04777 04777
		04783	04783
FMD-SIA	00191	02456	02457 02460 02734 02738 04440 04441 04449 04489 04500
GE TIME	00694	01197	04507 04507 04535 04540 04542 04629
GROSS	00228	01093	01205 01592 01602 01612 01671 01671 02113 02129 02421 02424 02424 02425





6000 COBOL DATA NAME CROSS REFERENCE LIST  
REFERENCES

NAME	DEFINITION	REFERENCES
HELI-PNTR	00406 02390 03569	
HELI-POINTERS	00403 01223 02203	
HELI-P	00405 03567 03844	
HELI-Q-Y-AR	00151 02182 02235	
HELI-QTY-LMT	00149 02190 02234	
HELI-REMARKS	00160 03565 03546 03547	
HELI-SCH-1	00366 NONE	
HELI-SCH-2	00373 NONE	
HELI-SCH-3	00377 NONE	
HELI-SCH-4	00384 NONE	
HELI-START	00169 02150 02152 02154	
HELI-S-AR-REC	00167 NONE	
HELI-SUB	00338 02054 02066 02069 02070 02233 02286 02287 02289 02293 02311 02324 02325 02373 02374 02376 02377 02379 02381 02383 02390 02391 02393 02394	
HELI-TYPE	00164 03569 03570	
HELI-TYPES	00347 02055 02099 02294	
HELI-TYPE-CODES	00344 NONE	
HELI-TYPE-REQUIRED	00349 02056 02168 02189 02195 02197 02294 02295 02297 02325	
HELI-TYPE-SUB	00348 02055 02056 02067 02099 02165 02167 02169 02170 02173 02174 02293 02294	
HELI-WORK-AREAS	00334 NONE	
HELI-WT	00407 02391 03845 03847	
HI	00495 NONE	
HI	00712 NONE	
HIGH-CLASS	00204 01707 01801 01805 01882 01956 01985 01990	
HL-D-EU-LD	00414 NONE	
HL-D-LUK-FLAG	00295 03938 04053 04070 04110 04112 04129 04251 04436	
HL-D-KEY	00355 01098 02137 02140 02148 02172 02178	
HL-D-XAREA	00259 03473 03474 03475 03477 03478 03481 03482 03535 03536 03537	
HS1	00371 NONE	
HS1-CHAR	00372 03357	
HS1-PKG-ND	00369 03352 03353	
HS2	00375 NONE	
HS2-CHAR	00376 03364	
HS3	00382 NONE	
HS3-CHAR	00383 03373	
HS3-LUAD-ND	00380 03369	
HS4	00391 NONE	
HS4-CHAR	00392 03425	
HS4-ITEM1	00386 03390 03409	
HS4-ITEM2	00388 03396 03415	
HS4-ITEM3	00390 03401 03420	
HS4-LIT1	00385 03378	
HS4-LIT2	00387 03379	
HS4-LIT3	00389 03380	
HS4-R	00393 03388	
HS4-R1	00394 NONE	
HS4-R2	00395 03393	
HS4-R3	00396 03394 03400 03412 03419	
HTH	00135 01913 01914 02827	
HTH	00442 02827 03886 03904 03981 04076 04171 04173 04189 04248 04414 04522	
HTH	00488 NONE	
HTH	00508 01914 01914 03467	
HTH	00679 NONE	

NAME	DEFINITION	4000 CUBUL DATA NAME CROSS REFERENCE LIST	REFERENCES
HTM	00862	03467	
HTM-C130	00526	01350	
HTM-C141	00532	01353	
HTM-CS	00540	01370	
HTM-FILL	00516	03905	03981 04076 04189 04248 04414 04522
HTM-HOLD	00549	NONE	
HTM-HLD	00358	03794	03807 03849
HTM-RNK-ELD	00922	03547	
HTM-RNK-LINE	00914	03548	
HTM-T-C	00346	NONE	
I	00240	01128	
	01400	01401	01160 01162 01390 01392 01393 01397 01398 01399 01399 01400
	01480	01481	01401 01402 01402 01403 01473 01475 01475 01479 01480
	01860	01861	01481 01482 01484 01706 01782 01852 01853 01854 01854 01858
	01944	01945	01861 01865 01866 01867 01883 01895 01922 01925 01926 01943
	02740	02741	01947 01979 01980 01981 01981 02020 02115 02451 02452 02462 02463
	02950	02951	02741 02751 02752 02822 02828 02828 02841 02841 02841 02849 02850
	03053	03054	02951 02952 03013 03015 03015 03016 03017 03022 03037 03051 03053
	03163	03165	03054 03055 03060 03071 03084 03145 03147 03148 03150 03152 03153
	03320	03369	03165 03167 03170 03173 03186 03219 03223 03224 03253 03260 03310
	03451	03468	03369 03395 03400 03408 03414 03419 03439 03441 03442 03445 03448
	03585	03588	03468 03469 03470 03483 03485 03488 03490 03530 03531 03532 03538
	04458	04479	03588 03667 03684 03685 03686 03690 03690 03691 03691 03691 03691
	04493	04496	04479 04484 04485 04486 04487 04488 04489 04490 04491 04492
	04517	04524	04496 04497 04498 04505 04506 04507 04510 04511 04512 04513 04515
	04702	04703	04524 04527 04528 04546 04546 04550 04551 04552 04555 04557
INCI-X	00948	03975	
INCI-Y	00949	03966	
IND	00266	02565	
	02828	02865	02571 02765 02768 02768 02774 02774 02774 02824 02825 02826 02827
	03781	03782	02865 02870 02871 02873 03167 03167 03167 03174 03174 03174 03178
	03793	03881	03782 03783 03784 03785 03786 03787 03788 03789 03790 03791 03792
	03894	03895	03881 03883 03884 03885 03886 03887 03888 03889 03890 03892 03893
	03942	03943	03894 03895 03901 03902 03904 03906 03906 03911 03929 03938 03940
	03962	03963	03943 03944 03945 03946 03947 03949 03949 03953 03957 03958 03960
	04052	04054	03963 03965 03975 03976 03981 03982 03983 03993 03996 03997 04048
	04113	04127	04052 04054 04055 04060 04062 04062 04064 04065 04066 04076 04077 04078
	04182	04189	04127 04132 04146 04160 04160 04162 04163 04171 04173 04178 04181
	04288	04406	04182 04189 04190 04191 04201 04204 04205 04248 04249 04259 04270 04277
	04713	04713	04406 04407 04408 04410 04413 04414 04419 04422 04426 04432 04433
INIT-CUID	00060	01170	
INIT-POINT	00059	01169	
INIT-TOC	00058	01168	
INIT-UID	00057	01167	
INTEG-NUMB	00218	01071	
	01453	01076	01076 01078 01079 01083 01084 01086 01088 01238 01240 01445 01449
	00267	02422	01699 01704 01724 01726 01809 02015 02042 02091 02572 02575 02581
	02583	02561	02561 02563 02564 02565 02567 02567 02570 02570 02572 02575 02581
	02819	02823	02675 02678 02679 02758 02761 02763 02764 02765 02767 02767 02767
	02966	02968	02823 02829 02833 02834 02836 02837 02844 02845 02847 02848 02848
	04326	04331	02966 02970 02981 02981 03932 04037 04038 04110 04242 04271 04289 04322
	04401	04402	04326 04331 04335 04340 04342 04342 04343 04345 04346 04389 04390 04397
	04429	04430	04401 04402 04403 04404 04405 04406 04407 04416 04421 04425 04428 04429
ITEM-CENTER	00276	03953	04429 04430 04432 04452 04468 04563 04565 04570 04570 04570 04570











[illegible]







COBOL DATA NAME CROSS REFERENCE LIST  
REFERENCES

NAME	DEFINITION	0000	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091	0092	0093	0094	0095	0096	0097	0098	0099	0100	0101	0102	0103	0104	0105	0106	0107	0108	0109	0110	0111	0112	0113	0114	0115	0116	0117	0118	0119	0120	0121	0122	0123	0124	0125	0126	0127	0128	0129	0130	0131	0132	0133	0134	0135	0136	0137	0138	0139	0140	0141	0142	0143	0144	0145	0146	0147	0148	0149	0150	0151	0152	0153	0154	0155	0156	0157	0158	0159	0160	0161	0162	0163	0164	0165	0166	0167	0168	0169	0170	0171	0172	0173	0174	0175	0176	0177	0178	0179	0180	0181	0182	0183	0184	0185	0186	0187	0188	0189	0190	0191	0192	0193	0194	0195	0196	0197	0198	0199	0200	0201	0202	0203	0204	0205	0206	0207	0208	0209	0210	0211	0212	0213	0214	0215	0216	0217	0218	0219	0220	0221	0222	0223	0224	0225	0226	0227	0228	0229	0230	0231	0232	0233	0234	0235	0236	0237	0238	0239	0240	0241	0242	0243	0244	0245	0246	0247	0248	0249	0250	0251	0252	0253	0254	0255	0256	0257	0258	0259	0260	0261	0262	0263	0264	0265	0266	0267	0268	0269	0270	0271	0272	0273	0274	0275	0276	0277	0278	0279	0280	0281	0282	0283	0284	0285	0286	0287	0288	0289	0290	0291	0292	0293	0294	0295	0296	0297	0298	0299	0300	0301	0302	0303	0304	0305	0306	0307	0308	0309	0310	0311	0312	0313	0314	0315	0316	0317	0318	0319	0320	0321	0322	0323	0324	0325	0326	0327	0328	0329	0330	0331	0332	0333	0334	0335	0336	0337	0338	0339	0340	0341	0342	0343	0344	0345	0346	0347	0348	0349	0350	0351	0352	0353	0354	0355	0356	0357	0358	0359	0360	0361	0362	0363	0364	0365	0366	0367	0368	0369	0370	0371	0372	0373	0374	0375	0376	0377	0378	0379	0380	0381	0382	0383	0384	0385	0386	0387	0388	0389	0390	0391	0392	0393	0394	0395	0396	0397	0398	0399	0400	0401	0402	0403	0404	0405	0406	0407	0408	0409	0410	0411	0412	0413	0414	0415	0416	0417	0418	0419	0420	0421	0422	0423	0424	0425	0426	0427	0428	0429	0430	0431	0432	0433	0434	0435	0436	0437	0438	0439	0440	0441	0442	0443	0444	0445	0446	0447	0448	0449	0450	0451	0452	0453	0454	0455	0456	0457	0458	0459	0460	0461	0462	0463	0464	0465	0466	0467	0468	0469	0470	0471	0472	0473	0474	0475	0476	0477	0478	0479	0480	0481	0482	0483	0484	0485	0486	0487	0488	0489	0490	0491	0492	0493	0494	0495	0496	0497	0498	0499	0500	0501	0502	0503	0504	0505	0506	0507	0508	0509	0510	0511	0512	0513	0514	0515	0516	0517	0518	0519	0520	0521	0522	0523	0524	0525	0526	0527	0528	0529	0530	0531	0532	0533	0534	0535	0536	0537	0538	0539	0540	0541	0542	0543	0544	0545	0546	0547	0548	0549	0550	0551	0552	0553	0554	0555	0556	0557	0558	0559	0560	0561	0562	0563	0564	0565	0566	0567	0568	0569	0570	0571	0572	0573	0574	0575	0576	0577	0578	0579	0580	0581	0582	0583	0584	0585	0586	0587	0588	0589	0590	0591	0592	0593	0594	0595	0596	0597	0598	0599	0600	0601	0602	0603	0604	0605	0606	0607	0608	0609	0610	0611	0612	0613	0614	0615	0616	0617	0618	0619	0620	0621	0622	0623	0624	0625	0626	0627	0628	0629	0630	0631	0632	0633	0634	0635	0636	0637	0638	0639	0640	0641	0642	0643	0644	0645	0646	0647	0648	0649	0650	0651	0652	0653	0654	0655	0656	0657	0658	0659	0660	0661	0662	0663	0664	0665	0666	0667	0668	0669	0670	0671	0672	0673	0674	0675	0676	0677	0678	0679	0680	0681	0682	0683	0684	0685	0686	0687	0688	0689	0690	0691	0692	0693	0694	0695	0696	0697	0698	0699	0700	0701	0702	0703	0704	0705	0706	0707	0708	0709	0710	0711	0712	0713	0714	0715	0716	0717	0718	0719	0720	0721	0722	0723	0724	0725	0726	0727	0728	0729	0730	0731	0732	0733	0734	0735	0736	0737	0738	0739	0740	0741	0742	0743	0744	0745	0746	0747	0748	0749	0750	0751	0752	0753	0754	0755	0756	0757	0758	0759	0760	0761	0762	0763	0764	0765	0766	0767	0768	0769	0770	0771	0772	0773	0774	0775	0776	0777	0778	0779	0780	0781	0782	0783	0784	0785	0786	0787	0788	0789	0790	0791	0792	0793	0794	0795	0796	0797	0798	0799	0800	0801	0802	0803	0804	0805	0806	0807	0808	0809	0810	0811	0812	0813	0814	0815	0816	0817	0818	0819	0820	0821	0822	0823	0824	0825	0826	0827	0828	0829	0830	0831	0832	0833	0834	0835	0836	0837	0838	0839	0840	0841	0842	0843	0844	0845	0846	0847	0848	0849	0850	0851	0852	0853	0854	0855	0856	0857	0858	0859	0860	0861	0862	0863	0864	0865	0866	0867	0868	0869	0870	0871	0872	0873	0874	0875	0876	0877	0878	0879	0880	0881	0882	0883	0884	0885	0886	0887	0888	0889	0890	0891	0892	0893	0894	0895	0896	0897	0898	0899	0900	0901	0902	0903	0904	0905	0906	0907	0908	0909	0910	0911	0912	0913	0914	0915	0916	0917	0918	0919	0920	0921	0922	0923	0924	0925	0926	0927	0928	0929	0930	0931	0932	0933	0934	0935	0936	0937	0938	0939	0940	0941	0942	0943	0944	0945	0946	0947	0948	0949	0950	0951	0952	0953	0954	0955	0956	0957	0958	0959	0960	0961	0962	0963	0964	0965	0966	0967	0968	0969	0970	0971	0972	0973	0974	0975	0976	0977	0978	0979	0980	0981	0982	0983	0984	0985	0986	0987	0988	0989	0990	0991	0992	0993	0994	0995	0996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6000 CUBOL DATA NAME CROSS REFERENCE LIST  
REFERENCES

NAME	DEFINITION	REFERENCES
UID	00669 04914 04945	
UID	00824 03461 03592	
UID	00886 03696	
USER-TITLE	00720 01208	
VAR-HEIGHTS	00940 02428	
VRN	00116 01790 01801 01805 01816 01872 01940 01950 01951 01955 02322 02336 02818	
VRN	00420 02891	
VRN	00431 01543	
VRN	00452 01943	
VRN	00477 NONE	
VRN	00496 NONE	
VRN	00673 NONE	
VRN-HOLD	00352 01709	
VRN-TEMP	00554 01705	
WEIGHT	00844 03464 03529 03614 03624 03637	
WEIGHT	00884 03694 03734	
WT	00132 01871 01907 01909 02316 02318 02352 02550 02713 02824 02855 02856 02864	
WT	00439 02918 02939	
WT	00460 04269 04270 04288 04517 04518 04565 04569	
WT	00485 02391 02393	
WT	00505 01906 01909	
WT	00680 03694	
WT	00134 01869 01915 01916 02826 02871 02873	
WT	00441 01860 02571 02826 02827 02873 03181 03182 03187 03192 03202 03203	
WT	03208 03213 03824 03861 03887 03949 03953 04062 04066 04178 04567	
WTH	00487 NONE	
WTH	00507 01916 01924 03466 03473 03479 03535 03541	
WTH	00678 NONE	
WTH	00840 03466 03541	
WTH-C130	00523 01349	
WTH-C141	00531 01332	
WTH-C5	00539 01369	
WTH-FILL	00515 NONE	
WTH-HOLD	00548 NONE	
WT-C130	00527 NONE	
WT-C141	00535 NONE	
WT-C5	00543 NONE	
WT-FILL	00519 03903	
WT-HOLD	00552 NONE	
W-HELL-START	00331 NONE	
W-HELL-START-AC-TYPE	00332 NONE	
W-HELL-START-KEY	00333 02170	
W-HELL-START-1	00328 02150	
W-HELL-START-2	00329 02152	
W-HELL-START-3	00330 02154	
W-H-5	00327 NONE	
XAREA	00229 01093 01595 01605 01615 01868 01868 02132 02421 03321 03475 03478 03482	
XCODE	00130 03537 03618 03794 03850 03931 03950 04063 04566 04567 01781 01807 01839 01900 01902 01903 01904 02055 02099 02220 02341 02669 02895 02900 02975 02977 02978 02979	

[illegible]



00001 IDENTIFICATION DIVISION.  
00002 PROGRAM-TO. MAINT.  
00003 AUTHR. JDE B03 WESSON GSA-DPA HUNTSVILLE, ALA.  
00004 DATE-WRITTEN. J-18-76.  
00005 REMARKS.  
00006 THIS PROGRAM IS WRITTEN TO BUILD MAINTAIN AND PRINT  
00007 THE HELICOPTER LOAD TYPE TABLE FILE.  
00008 ENVIRONMENT DIVISION.  
00009 CONFIGURATION SECTION.  
00010 SOURCE-COMPUTER. 6600.  
00011 OBJECT-COMPUTER. 6600.  
00012 SOURCE-COMPUTER. 184-360.  
00013 OBJECT-COMPUTER. 184-360.  
00014 SPECIAL-M44ES.  
00015 C01 IS TOP-OF-PAGE.  
00016 INPUT-OUTPUT SECTION.  
00017 FILE-CONTROL.  
00018 SELECT CARD-TRANS ASSIGN TO INPUT.  
00019  
00020 CHANGED TO  
00021 SELECT CARD-TRANS ASSIGN TO HELIM.  
00022  
00023 SELECT OLD-STR ASSIGN TO OLDSTR  
00024 ORGANIZATION IS INDEXED  
00025 ACCESS MODE IS SEQUENTIAL  
00026 SYMBOLIC KEY IS OLD-KEY.  
00027 SELECT DISK-FILE ASSIGN TO DISK2  
00028 ACCESS MODE IS SEQUENTIAL.  
00029 SELECT NEW-STR ASSIGN TO NEWSTR  
00030 ORGANIZATION IS INDEXED  
00031 ACCESS MODE IS SEQUENTIAL  
00032 SYMBOLIC KEY IS SYM-KEY.  
00033 SELECT SRT-FILE ASSIGN TO DISK4.  
00034 SELECT PRT-FILE ASSIGN TO OUTPUT.  
00035 SELECT COPY-FILE ASSIGN TO CPYFIL.  
00036 SELECT CARD-TRANS ASSIGN TO SYS005-JR-2540R-S.  
00037 SELECT OLD-STR ASSIGN TO SYS015-DA-2314-1  
00038 ACCESS IS SEQUENTIAL  
00039 RECORD KEY IS D-LOAD-NO.  
00040 SELECT DISK-FILE ASSIGN TO SYS016-DA-2314-S  
00041 ACCESS IS SEQUENTIAL.  
00042 SELECT NEW-STR ASSIGN TO SYS017-DA-2314-1  
00043 ACCESS IS SEQUENTIAL  
00044 RECORD KEY IS M-LOAD-NO.  
00045 SELECT SRT-FILE ASSIGN TO SYS001-DA-2314-S.  
00046 SELECT PRT-FILE ASSIGN TO SYS018-DA-2314-S  
00047 ACCESS IS SEQUENTIAL.  
00048 SELECT COPY-FILE ASSIGN TO SYS006-JR-1403-S.  
00049 DATA DIVISION.  
00050 FILE SECTION.  
00051  
00052  
00053  
00054  
00055  
00056  
00057

## CARD-TRANS

THIS FILE CONTAINS TRANSACTIONS TO EITHER UPDATE THE OLD-  
MSTR OR BUILD FROM SCRATCH THE NEW MSTR.

00001HEL 2  
00002HEL 3  
00003HEL 4  
00004HEL 5  
00005HEL 6  
00006HEL 7  
00007HEL 8  
00008HEL 9  
00009HEL 10  
00010HEL 11  
00011HEL 12  
00012HEL 13  
00013HEL 14  
00014HEL 15  
00015HEL 16  
00016HEL 17  
00017HEL 18  
00018HEL 19  
00019HEL 20  
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00056HEL 57  
00057HEL 58

00158	000580 FU	CARD-TRANS	000580MEL	59
00159	000590	RECORD CONTAINS 80 CHARACTERS	000590MEL	60
00160	000600	LABEL RECORDS ARE OMITTED	000600MEL	61
00161	000610	DATA RECORD IS CRD-REC.	000610MEL	62
00162	000620 01	CRD-REC.	000620MEL	63
00163	000630	03 CTRL-KEY	000630MEL	64
00164	000640	FOUR ASTERISKS DENOTES A NEW BUILD OF THE MASTER FILE	000640MEL	65
00165	000650	IF THE "AT END" OPTION IS ENCOUNTERED ON THE FIRST READ	000650MEL	66
00166	000660	OF THIS FILE, THEN THE OLD-MSTR IS PRINTED.	000660MEL	67
00167	000670	03 FILLER	000670MEL	68
00168	000680	03 NO-COPYS	000680MEL	69
00169	000690	PICTURE X.	000690MEL	70
00170	000700	PICTURE X.	000700MEL	71
00171	000710	PICTURE X.	000710MEL	72
00172	000720	PICTURE X.	000720MEL	73
00173	000730	PICTURE X.	000730MEL	74
00174	000740	PICTURE X.	000740MEL	75
00175	000750	RECORD CONTAINS 250 CHARACTERS	000750MEL	76
00176	000760	RECORDING MODE IS F	000760MEL	77
00177	000770	LABEL RECORDS ARE STANDARD	000770MEL	78
00178	000780	LABEL RECORDS ARE OMITTED	000780MEL	79
00179	000790	DATA RECORD IS OLD-MSTR-REC.	000790MEL	80
00180	000800 01	OLD-MSTR-REC.	000800MEL	81
00181	000810	03 FILLER	000810MEL	82
00182	000820	03 D-LOAD-NO.	000820MEL	83
00183	000830	05 D-AC-TYPE	000830MEL	84
00184	000840	05 D-LAT	000840MEL	85
00185	000850	05 D-LOAD-SEQ-NO	000850MEL	86
00186	000860	03 D-QTY-LYT	000860MEL	87
00187	000870	03 D-ART	000870MEL	88
00188	000880	03 D-QTY-LAT	000880MEL	89
00189	000890	03 D-ADD-CARGO	000890MEL	90
00190	000900	03 D-PKGS.	000900MEL	91
00191	000910	05 D-PKG-NO OCCURS 2 TIMES.	000910MEL	92
00192	000920	07 D-WEIGHT	000920MEL	93
00193	000930	07 D-LENGTH	000930MEL	94
00194	000940	07 D-WIDTH	000940MEL	95
00195	000950	07 D-FES	000950MEL	96
00196	000960	07 D-INCH-FRM-RT	000960MEL	97
00197	000970	03 D-REMARKS	000970MEL	98
00198	000980	03 D-HELICOPTERS.	000980MEL	99
00199	000990	05 D-ALCPTS. OCCURS 16 TIMES.	000990MEL	100
00200	001000	07 D-HEL-PKG-NO	001000MEL	101
00201	001010	07 D-HEL-TYPE	001010MEL	102
00202	001020	07 D-HEL-PFS	001020MEL	103
00203	001030	07 D-HEL-CGS	001030MEL	104
00204	001040	PICTURE 9.	001040MEL	105
00205	001050	PICTURE 9.	001050MEL	106
00206	001060	PICTURE 9.	001060MEL	107
00207	001070	PICTURE 9.	001070MEL	108
00208	001080	PICTURE 9.	001080MEL	109
00209	001090	PICTURE 9.	001090MEL	110
00210	001100	PICTURE 9.	001100MEL	111
00211	001110	PICTURE 9.	001110MEL	112
00212	001120	PICTURE 9.	001120MEL	113
00213	001130	PICTURE 9.	001130MEL	114
00214	001140	PICTURE 9.	001140MEL	115

001150	LABEL RECORDS ARE OMITTED	001150	001150
001160	DATA RECORD 15 DISK-REC.	001160	001160
001170	DISK-REC.	001170	001170
001180	03 FILLER	001180	001180
001190	03 D-LOAD-NO.	001190	001190
001200	05 D-AC-TYPE	001200	001200
001210	05 D-LHT	001210	001210
001220	05 D-LOAD-SEQ-NO	001220	001220
001230	03 D-QTY-LHT	001230	001230
001240	03 D-AHT	001240	001240
001250	03 D-QTY-AHT	001250	001250
001260	03 D-ADD-CARGO	001260	001260
001270	03 D-PKGS.	001270	001270
001280	05 D-X-6-NO OCCURS 2 TIMES.	001280	001280
001290	07 D-WEIGHT	001290	001290
001300	07 D-LENGTH	001300	001300
001310	07 D-WIDTH	001310	001310
001320	07 D-PFS	001320	001320
001330	07 D-INCH-FRM-RT	001330	001330
001340	03 D-REMARKS	001340	001340
001350	03 D-HELICOPTERS.	001350	001350
001360	05 D-ALCPTS. OCCURS 16 TIMES.	001360	001360
001370	07 D-HEL-PKG-NO	001370	001370
001380	07 D-HEL-TYPE	001380	001380
001390	07 D-HEL-PFS	001390	001390
001400	07 D-HEL-CGFS	001400	001400
001410	03 D-RED REDEFINES D-HELICOPTERS.	001410	001410
001420	05 D2-HELI	001420	001420
001430	05 D3-HELI	001430	001430
001440	05 D4-HELI	001440	001440
001450	001450	001450	001450
001460	001460	001460	001460
001470	NEW-MSTR	001470	001470
001480	THIS IS THE PROGRAM UPDATED COPY OF THE HELICOPTER TYPE L3A).	001480	001480
001490	TABLE.	001490	001490
001500	001500	001500	001500
001510	001510	001510	001510
001520	NEW-MSTR	001520	001520
001530	RECORD CONTAINS 250 CHARACTERS	001530	001530
001540	RECORDING 430 JSF	001540	001540
001550	LABEL RECORDS ARE STANDARD	001550	001550
001560	LABEL RECORDS ARE OMITTED	001560	001560
001570	DATA RECORDS ARE NEW-MSTR-REC N1-REC.	001570	001570
001580	NEW-MSTR-REC.	001580	001580
001590	03 FILLER	001590	001590
001600	03 M-LOAD-NO.	001600	001600
001610	05 M-AC-TYPE	001610	001610
001620	05 M-LAT	001620	001620
001630	05 M-LOAD-SEQ-NO	001630	001630
001640	03 M-QTY-LHT	001640	001640
001650	03 M-AHT	001650	001650
001660	03 M-QTY-AHT	001660	001660
001670	03 M-ADD-CARGO	001670	001670
001680	03 M-PKGS.	001680	001680
001690	05 M-PKG-NO OCCURS 2 TIMES.	001690	001690
001700	07 M-WEIGHT	001700	001700
001710	07 M-LENGTH	001710	001710
001720	PICTURE 9(1).	001720	001720
001730	PICTURE 9.	001730	001730
001740	PICTURE 9(4).	001740	001740
001750	PICTURE 99.	001750	001750
001760	PICTURE 9.	001760	001760
001770	PICTURE 99.	001770	001770
001780	PICTURE X.	001780	001780
001790	PICTURE 9(1).	001790	001790
001800	PICTURE 9.	001800	001800
001810	PICTURE 9(4).	001810	001810
001820	PICTURE 99.	001820	001820
001830	PICTURE 9.	001830	001830
001840	PICTURE 99.	001840	001840
001850	PICTURE X.	001850	001850
001860	PICTURE 9(1).	001860	001860
001870	PICTURE 9.	001870	001870
001880	PICTURE 9(4).	001880	001880
001890	PICTURE 99.	001890	001890
001900	PICTURE 9.	001900	001900
001910	PICTURE 99.	001910	001910
001920	PICTURE X.	001920	001920
001930	PICTURE 9(1).	001930	001930
001940	PICTURE 9.	001940	001940
001950	PICTURE 9(4).	00	

```
00172 001720 07 N-WIDTH PICTURE 3(3). 173
00173 001730 07 N-FFS PICTURE 9(4). 174
00174 001740 07 N-FFS PICTURE 9(4). 175
00175 001750 03 N-REMARKS PICTURE 1(25). 176
00176 001760 05 N-REMARKS OCCURS 16 TIMES. 177
00177 001770 07 N-HEL-PCG-NO PICTURE 9. 178
00178 001780 07 N-HEL-PCG-NO PICTURE 9. 179
00179 001790 07 N-HEL-PCG-NO PICTURE 9. 180
00180 001800 07 N-HEL-PCG-NO PICTURE 9(4). 181
00181 001810 07 N-HEL-PCG-NO PICTURE 9(4). 182
00182 001820 01 N1-REC. PICTURE 1(191). 183
00183 001830 03 FILLER PICTURE 1(231). 184
00184 001840 03 REST PICTURE 1(231). 185
00185 001850 ***** SRT-FILE ***** 186
00186 001860 ***** SRT-FILE ***** 187
00187 001870 ***** SRT-FILE ***** 188
00188 001880 ***** SRT-FILE ***** 189
00189 001890 ***** SRT-FILE ***** 190
00190 001900 ***** SRT-FILE ***** 191
00191 001910 ***** SRT-FILE ***** 192
00192 001920 ***** SRT-FILE ***** 193
00193 001930 ***** SRT-FILE ***** 194
00194 001940 ***** SRT-FILE ***** 195
00195 001950 ***** SRT-FILE ***** 196
00196 001960 ***** SRT-FILE ***** 197
00197 001970 ***** SRT-FILE ***** 198
00198 001980 ***** SRT-FILE ***** 199
00199 001990 ***** SRT-FILE ***** 200
00200 002000 ***** SRT-FILE ***** 201
00201 002010 ***** SRT-FILE ***** 202
00202 002020 ***** SRT-FILE ***** 203
00203 002030 ***** SRT-FILE ***** 204
00204 002040 ***** SRT-FILE ***** 205
00205 002050 ***** SRT-FILE ***** 206
00206 002060 ***** SRT-FILE ***** 207
00207 002070 ***** SRT-FILE ***** 208
00208 002080 ***** SRT-FILE ***** 209
00209 002090 ***** SRT-FILE ***** 210
00210 002100 ***** SRT-FILE ***** 211
00211 002110 ***** SRT-FILE ***** 212
00212 002120 ***** SRT-FILE ***** 213
00213 002130 ***** SRT-FILE ***** 214
00214 002140 ***** SRT-FILE ***** 215
00215 002150 ***** SRT-FILE ***** 216
00216 002160 ***** SRT-FILE ***** 217
00217 002170 ***** SRT-FILE ***** 218
00218 002180 ***** SRT-FILE ***** 219
00219 002190 ***** SRT-FILE ***** 220
00220 002200 ***** SRT-FILE ***** 221
00221 002210 ***** SRT-FILE ***** 222
00222 002220 ***** SRT-FILE ***** 223
00223 002230 ***** SRT-FILE ***** 224
00224 002240 ***** SRT-FILE ***** 225
00225 002250 ***** SRT-FILE ***** 226
00226 002260 ***** SRT-FILE ***** 227
00227 002270 ***** SRT-FILE ***** 228
00228 002280 ***** SRT-FILE ***** 229
```





MAINT

AO 0113

C300L

14-17-30.

00245	002560 77	SV4-KEY	PICTURE 9(16).	00286HEL1	237
00247	002870 77	SWITCH	PICTURE 9 VALUE ZERO.	00287HEL1	283
00248	002880 77	HL0-REMARKS	PICTURE X(25) VALUE SPACES.	00288HEL1	289
00249	002890 77	B1-LMT-CNT	PICTURE 99 VALUE ZEROS.	00289HEL1	290
00250	002900 77	B1-ANT-CNT	PICTURE 99 VALUE ZEROS.	00290HEL1	291
00251	002910 01	DELETE-LINE.		00291HEL1	292
00252	002920 01	03 FILLER	PICTURE X VALUE "2".	00292HEL1	293
00253	002930 01	03 FILLER	PICTURE X VALUE "0".	00293HEL1	294
00254	002940 01	03 FILLER	PICTURE X(50) VALUE	00294HEL1	295
00255	002950 01	REPLACE-LINE.	PICTURE X(50) VALUE	00295HEL1	296
00256	002960 01	REPLACE-LINE.	PICTURE X VALUE "0".	00296HEL1	297
00257	002970 01	03 FILLER	PICTURE X VALUE "2".	00297HEL1	298
00258	002980 01	03 FILLER	PICTURE X(50) VALUE	00298HEL1	299
00259	002990 01	03 FILLER	PICTURE X(50) VALUE	00299HEL1	300
00300	003000 01	EC-DATE-LINE.	PICTURE X(34) VALUE "0".	00300HEL1	301
00301	003010 01	03 FILLER	PICTURE X(34) VALUE "2".	00301HEL1	302
00302	003020 01	03 FILLER	PICTURE 99/99/99.	00302HEL1	303
00303	003030 01	03 FILLER	PICTURE X(18).	00303HEL1	304
00304	003040 01	03 EC-DATE	PICTURE X(18).	00304HEL1	305
00305	003050 01	03 FILLER	PICTURE X(19) VALUE SPACES.	00305HEL1	306
00306	003060 01	ALTERN.	PICTURE X(18).	00306HEL1	307
00307	003070 01	03 B1-ALT	PICTURE X(18).	00307HEL1	308
00308	003080 01	03 B2-ALT	PICTURE X(18).	00308HEL1	309
00309	003090 01	03 B3-ALT	PICTURE X(18).	00309HEL1	310
00310	003100 01	03 B4-ALT	PICTURE X(18).	00310HEL1	311
00311	003110 01	RE-ALTER REDEFINES ALTERN.	PICTURE X(18).	00311HEL1	312
00312	003120 01	03 AL1 OCCURS 4 TIMES	PICTURE X(18).	00312HEL1	313
00313	003130 01	LOC-CODE.	PICTURE X(18).	00313HEL1	314
00314	003140 01	03 ACR-TYP OCCURS 10 TIMES.	PICTURE X(18).	00314HEL1	315
00315	003150 01	LOCATIONS REDEFINES LOC-CODE.	PICTURE X(200).	00315HEL1	316
00316	003160 01	03 L0C1	PICTURE X(200).	00316HEL1	317
00317	003170 01	03 L0C2	PICTURE X(200).	00317HEL1	318
00318	003180 01	03 L0C3	PICTURE X(14) VALUE SPACES.	00318HEL1	319
00319	003190 01	03 FILLER	PICTURE X(14) VALUE "2".	00319HEL1	320
00320	003200 01	03 FILLER	PICTURE X(15) VALUE	00320HEL1	321
00321	003210 01	03 FILLER	PICTURE X(15) VALUE	00321HEL1	322
00322	003220 01	03 FILLER	PICTURE X(15) VALUE	00322HEL1	323
00323	003230 01	03 FILLER	PICTURE X(15) VALUE	00323HEL1	324
00324	003240 01	03 FILLER	PICTURE X(15) VALUE	00324HEL1	325
00325	003250 01	03 FILLER	PICTURE X(15) VALUE	00325HEL1	326
00326	003260 01	03 FILLER	PICTURE X(15) VALUE	00326HEL1	327
00327	003270 01	03 FILLER	PICTURE X(15) VALUE	00327HEL1	328
00328	003280 01	03 FILLER	PICTURE X(15) VALUE	00328HEL1	329
00329	003290 01	03 FILLER	PICTURE X(15) VALUE	00329HEL1	330
00330	003300 01	03 FILLER	PICTURE X(15) VALUE	00330HEL1	331
00331	003310 01	03 FILLER	PICTURE X(15) VALUE	00331HEL1	332
00332	003320 01	03 FILLER	PICTURE X(15) VALUE	00332HEL1	333
00333	003330 01	03 FILLER	PICTURE X(15) VALUE	00333HEL1	334
00334	003340 01	03 FILLER	PICTURE X(15) VALUE	00334HEL1	335
00335	003350 01	03 FILLER	PICTURE X(15) VALUE	00335HEL1	336
00336	003360 01	03 FILLER	PICTURE X(15) VALUE	00336HEL1	337
00337	003370 01	03 FILLER	PICTURE X(15) VALUE	00337HEL1	338
00338	003380 01	03 FILLER	PICTURE X(15) VALUE	00338HEL1	339
00339	003390 01	03 FILLER	PICTURE X(15) VALUE	00339HEL1	340
00340	003400 01	03 FILLER	PICTURE X(15) VALUE	00340HEL1	341
00341	003410 01	03 FILLER	PICTURE X(15) VALUE	00341HEL1	342
00342	003420 01	03 FILLER	PICTURE X(15) VALUE	00342HEL1	343

00343	003430	05	B1-LOAD REDEFINES B1-LOAD-V3	PICTURE 9161.	00343HELI	345
00344	003440	05	B1-QTY-LHT	PICTURE 92.	00344HELI	345
00345	003450	05	B1-AHT	PICTURE 93.	00345HELI	345
00346	003460	05	B1-QTY-AHT	PICTURE 94.	00346HELI	345
00347	003470	05	B1-ADD-CARGO	PICTURE 95.	00347HELI	345
00348	003480	05	B1-PKG5.	PICTURE 96.	00348HELI	345
00349	003490	05	B1-PKG-NO OCCURS 2 TIMES.	PICTURE 97.	00349HELI	345
00350	003500	05	B1-FLIGHT	PICTURE 9161.	00350HELI	351
00351	003510	09	B1-LENGTH	PICTURE 9161.	00351HELI	352
00352	003520	09	B1-ADTH	PICTURE 9161.	00352HELI	353
00353	003530	09	B1-FFS	PICTURE 9161.	00353HELI	354
00354	003540	09	B1-INCH-FRM-RT	PICTURE 9161.	00354HELI	355
00355	003550	05	B1-REMARKS	PICTURE 9161.	00355HELI	356
00356	003560	05	LAST-RT.	PICTURE 9161.	00356HELI	357
00357	003570	02	02	PICTURE 9161.	00357HELI	358
00358	003580	03	03	PICTURE 9161.	00358HELI	359
00359	003590	05	FILLER	PICTURE 9161.	00359HELI	360
00360	003600	05	B2-HELICOPTERS	PICTURE 9161.	00360HELI	361
00361	003610	03	03	PICTURE 9161.	00361HELI	362
00362	003620	05	FILLER	PICTURE 9161.	00362HELI	363
00363	003630	05	B3-HELICOPTERS	PICTURE 9161.	00363HELI	364
00364	003640	03	03	PICTURE 9161.	00364HELI	365
00365	003650	05	FILLER	PICTURE 9161.	00365HELI	366
00366	003660	05	B4-HELICOPTERS	PICTURE 9161.	00366HELI	367
00367	003670	05	FILLER	PICTURE 9161.	00367HELI	368
00368	003680	05	B-HELICOPTERS	PICTURE 9161.	00368HELI	369
00369	003690	05	B-HELICOPTERS	PICTURE 9161.	00369HELI	370
00370	003700	05	B-HELICOPTERS	PICTURE 9161.	00370HELI	371
00371	003710	03	03	PICTURE 9161.	00371HELI	372
00372	003720	03	03	PICTURE 9161.	00372HELI	373
00373	003730	03	03	PICTURE 9161.	00373HELI	374
00374	003740	05	B-AC-TYPE	PICTURE 9161.	00374HELI	375
00375	003750	05	B-LHT	PICTURE 9161.	00375HELI	376
00376	003760	05	B-L3AD-SEQ	PICTURE 9161.	00376HELI	377
00377	003770	03	03	PICTURE 9161.	00377HELI	378
00378	003780	03	03	PICTURE 9161.	00378HELI	379
00379	003790	05	B-HELICOPTERS	PICTURE 9161.	00379HELI	380
00380	003800	07	B-HEL-PKG-NO	PICTURE 9161.	00380HELI	381
00381	003810	07	B-HEL-TYPE	PICTURE 9161.	00381HELI	382
00382	003820	07	B-HEL-FFS	PICTURE 9161.	00382HELI	383
00383	003830	07	B-HEL-CUES	PICTURE 9161.	00383HELI	384
00384	003840	03	B-CPTAS REDEFINES B-HELICOPTERS.	PICTURE 9161.	00384HELI	385
00385	003850	05	B-C4OP OCCURS 7 TIMES	PICTURE 9161.	00385HELI	386
00386	003860	01	E1-LINE.	PICTURE 9161.	00386HELI	387
00387	003870	03	E1-CARD-SEQ	PICTURE 9161.	00387HELI	388
00388	003880	03	E1-NO-CARDS	PICTURE 9161.	00388HELI	389
00389	003890	03	E1-ACTION-CODE	PICTURE 9161.	00389HELI	390
00390	003900	03	E1-LDA3-NO.	PICTURE 9161.	00390HELI	391
00391	003910	05	E1-AC-TYPE	PICTURE 9161.	00391HELI	392
00392	003920	05	E1-LT	PICTURE 9161.	00392HELI	393
00393	003930	05	E1-LDAD-SEQ-NO	PICTURE 9161.	00393HELI	394
00394	003940	03	E1-QTY-LHT	PICTURE 9161.	00394HELI	395
00395	003950	03	E1-AHT	PICTURE 9161.	00395HELI	396
00396	003960	03	E1-QTY-AHT	PICTURE 9161.	00396HELI	397
00397	003970	03	E1-ADD-CARGO	PICTURE 9161.	00397HELI	398
00398	003980	03	E1-PKG5.	PICTURE 9161.	00398HELI	399
00399	003990	05	E1-PKG-NO OCCURS 2 TIMES.	PICTURE 9161.	00399HELI	400

COBOL V6-6 L463\* 11/21/78 16.17.30.

AD 0113

44111

004001	004000	07 E1-WEIGHT	PICTURE X(6).	004000HEL	401
004002	004010	07 E1-LENGTH	PICTURE X(4).	004010HEL	402
004003	004020	07 E1-MIDTH	PICTURE XXX.	004020HEL	403
004004	004030	07 E1-FES	PICTURE X(4).	004030HEL	404
004005	004040	07 E1-INCH-FRM-RT	PICTURE XXX.	004040HEL	405
004006	004050 01	E-LINES.		004050HEL	406
004007	004060	03 E-LINE OCCURS 3 TIMES.		004060HEL	407
004008	004070	05 E-CARD-SEQ	PICTURE X.	004070HEL	408
004009	004080	05 FILLER	PICTURE X.	004080HEL	409
004010	004090	05 E-LOAD-NO.		004090HEL	410
004011	004100	07 E-AC-TYPE	PICTURE X.	004100HEL	411
004012	004110	07 E-LHT	PICTURE X.	004110HEL	412
004013	004120	07 E-LOAD-SEQ	PICTURE X(4).	004120HEL	413
004014	004130	05 FILLER	PICTURE X.	004130HEL	414
004015	004140	05 E-HELICOPTERS.		004140HEL	415
004016	004150	07 E-HELICOPTERS OCCURS 7 TIMES.		004150HEL	416
004017	004160	09 E-HEL-PKG-NO	PICTURE X.	004160HEL	417
004018	004170	09 E-HEL-TYPE	PICTURE X.	004170HEL	418
004019	004180	09 E-HEL-FES	PICTURE X(4).	004180HEL	419
004020	004190	09 E-HEL-CGFS	PICTURE X(4).	004190HEL	420
004021	004200 01	ERRR-SW.		004200HEL	421
004022	004210	03 ES OCCURS 8 TIMES	PICTURE 3.	004210HEL	422
004023	004220 01	ERRS.		004220HEL	423
004024	004230	03 ERR1.		004230HEL	424
004025	004240	05 FILLER	PICTURE X(36) VALUE SPACES.	004240HEL	425
004026	004250*	05 FILLER	PICTURE X(36) VALUE -1.	004250HEL	426
004027	004260	05 FILLER	PICTURE X(50) VALUE	004260HEL	427
004028	004270	"NUMBER OF CARDS IN THIS SET NOT = NUMBER OF CARDS =."		004270HEL	428
004029	004280	05 FILLER	PICTURE X(46) VALUE	004280HEL	429
004030	004290	"GIVEN IN TYPE 1 CARD."		004290HEL	430
004031	004300	03 ERR2.		004300HEL	431
004032	004310	05 FILLER	PICTURE X(36) VALUE SPACES.	004310HEL	432
004033	004320*	05 FILLER	PICTURE X(36) VALUE -1.	004320HEL	433
004034	004330	05 FILLER	PICTURE X(96) VALUE	004330HEL	434
004035	004340	"NUMBER OF HELICOPTERS GIVEN EXCEEDS 16 =."		004340HEL	435
004036	004350	03 ERR3.		004350HEL	436
004037	004360	05 FILLER	PICTURE X(36) VALUE SPACES.	004360HEL	437
004038	004370*	05 FILLER	PICTURE X(36) VALUE -1.	004370HEL	438
004039	004380	05 FILLER	PICTURE X(96) VALUE	004380HEL	439
004040	004390	"SEQUENCE NUMBER OF FIRST CARD IN THIS SET NOT = 1 =."		004390HEL	440
004041	004400	03 ERR4.		004400HEL	441
004042	004410	05 FILLER	PICTURE X(36) VALUE SPACES.	004410HEL	442
004043	004420*	05 FILLER	PICTURE X(36) VALUE -1.	004420HEL	443
004044	004430	05 FILLER	PICTURE X(96) VALUE	004430HEL	444
004045	004440	"TYPE 1 CARD APPEARS ALONE. THIS IS NOT ALLOWED =."		004440HEL	445
004046	004450	03 ERR5.		004450HEL	446
004047	004460	05 FILLER	PICTURE X(36) VALUE SPACES.	004460HEL	447
004048	004470*	05 FILLER	PICTURE X(36) VALUE -1.	004470HEL	448
004049	004480	05 FILLER	PICTURE X(96) VALUE	004480HEL	449
004050	004490	"SEQUENCE NUMBER OF SECOND CARD IN THIS SET NOT = 2 =."		004490HEL	450
004051	004500	03 ERR6.		004500HEL	451
004052	004510	05 FILLER	PICTURE X(36) VALUE SPACES.	004510HEL	452
004053	004520*	05 FILLER	PICTURE X(36) VALUE -1.	004520HEL	453
004054	004530	05 FILLER	PICTURE X(96) VALUE	004530HEL	454
004055	004540	"SEQUENCE NUMBER OF THIRD CARD IN THIS SET NOT = 3 =."		004540HEL	455
004056	004550	03 ERR7.		004550HEL	456
004057	004560	05 FILLER	PICTURE X(36) VALUE SPACES.	004560HEL	457



00457	004570*	05 FILLER	PICTURE X1361 VALUE -1-.	00457HEL	459
00458	004580	05 FILLER	PICTURE X1961 VALUE	00458HEL	459
00459	004590	03 -SEQUENCE NUMBER OF FOURTH CARD IN THIS SET NOT = 4.-		00459HEL	461
00460	004600	03 FILLER		00460HEL	461
00461	004610	05 FILLER	PICTURE X1361 VALUE SPACES.	00461HEL	462
00462	004620*	05 FILLER	PICTURE X1361 VALUE -1-.	00462HEL	462
00463	004630	05 FILLER	PICTURE X1501 VALUE	00463HEL	463
00464	004640	05 FILLER	NUMBER OF HELICOPTERS GIVEN ON TYPE 1 CARD DOES NOT.	00464HEL	463
00465	004650	05 FILLER	PICTURE X1461 VALUE	00465HEL	465
00466	004660	05 FILLER	PICTURE X1461 VALUE	00466HEL	467
00467	004670 01	ES-LINES REDEFINES ERRS.		00467HEL	467
00468	004680	03 ES-LINE OCCURS 8 TIMES		00468HEL	469
00469	004690 01	AC-INFO.	PICTURE X13321.	00469HEL	470
00470	004700	05 FILLER		00470HEL	471
00471	004710	05 FILLER	PICTURE X1461 VALUE	00471HEL	471
00472	004720	05 FILLER	PICTURE X1461 VALUE	00472HEL	473
00473	004730	05 FILLER	PICTURE X1461 VALUE	00473HEL	473
00474	004740	05 FILLER	PICTURE X1461 VALUE	00474HEL	475
00475	004750	05 FILLER	PICTURE X1461 VALUE	00475HEL	475
00476	004760	05 FILLER	PICTURE X1461 VALUE	00476HEL	477
00477	004770	05 FILLER	PICTURE X1461 VALUE	00477HEL	477
00478	004780 01	AC-TAG REDEFINES AC-INFO.		00478HEL	479
00479	004790	03 LGTH OCCURS 8 TIMES	PICTURE 9161.	00479HEL	481
00480	004800	03 WID OCCURS 8 TIMES	PICTURE 9161.	00480HEL	481
00481	004810	03 FFS OCCURS 8 TIMES	PICTURE 9161.	00481HEL	482
00482	004820	03 AMT OCCURS 8 TIMES	PICTURE 9161.	00482HEL	483
00483	004830 01	HEL-TYPES.		00483HEL	483
00484	004840	05 FILLER	PICTURE X1271 VALUE	00484HEL	485
00485	004850	05 FILLER	PICTURE X1271 VALUE	00485HEL	485
00486	004860 01	05-TY REDEFINES HEL-TYPES.		00486HEL	487
00487	004870	05 HEL-TYPE OCCURS 9 TIMES	PICTURE 999.	00487HEL	488
00488	004880 01	AC-		00488HEL	489
00489	004890	05 FILLER	PICTURE X1501 VALUE	00489HEL	490
00490	004900	05 FILLER	PICTURE X1501 VALUE	00490HEL	491
00491	004910 01	TY-AC REDEFINES ACS.		00491HEL	492
00492	004920	03 TY-AC OCCURS 10 TIMES	PICTURE X151.	00492HEL	493
00493	004930 01	NM-CK.		00493HEL	495
00494	004940	03 FILLER	PICTURE 9 VALUE 7ER3.	00494HEL	495
00495	004950	03 N-DN	PICTURE 91101 VALUE 7ER3.	00495HEL	495
00496	004960 01	MLL-BLWK-LINE	PICTURE X1321 VALUE -1-.	00496HEL	497
00497	004970 01	MLL-BLWK-LINE	PICTURE X1321 VALUE -0-.	00497HEL	499
00498	004980 01	MLL-1.		00498HEL	500
00499	004990	03 FILLER	PICTURE X1551 VALUE -1-.	00499HEL	500
00500	005000*	03 FILLER	PICTURE X1551 VALUE -9-.	00500HEL	501
00501	005010	03 FILLER	PICTURE X1201 VALUE	00501HEL	502
00502	005020	03 FILLER	PICTURE X1441 VALUE SPACES.	00502HEL	503
00503	005030	03 FILLER	PICTURE X151 VALUE -PAGE -.	00503HEL	504
00504	005040	03 FILLER	PICTURE 72,229.	00504HEL	505
00505	005050	03 PG-NUM2		00505HEL	505
00506	005060 01	MLL-2.		00506HEL	507
00507	005070	03 FILLER	PICTURE X1631 VALUE SPACES.	00507HEL	509
00508	005080*	03 FILLER	PICTURE X1631 VALUE -1-.	00508HEL	509
00509	005090	03 SYS-DT	PICTURE 99/99/99.	00509HEL	510
00510	005100*	03 SYS-DT	PICTURE X181.	00510HEL	511
00511	005110	03 FILLER	PICTURE X1631 VALUE SPACES.	00511HEL	512
00512	005120 01	MLL-3.		00512HEL	513
00513	005130	03 FILLER	PICTURE X1501 VALUE	00513HEL	514

FORM 16-6-14630 11/21/76 14-17-30.

44INT AU 0113

44INT

00514	005140	00	LOAD NUMBER--							00514HEL	515
00515	005150	02	LOAD NUMBER--							00515HEL	515
00516	005160	03	FILLER						PICTURE X(50) VALUE	00516HEL	515
00517	005170	03	AC						PICTURE X(50) VALUE	00517HEL	515
00518	005180	03	AC						PICTURE X(50) VALUE	00518HEL	515
00519	005190	03	AC						PICTURE X(50) VALUE	00519HEL	515
00520	005200	01	HL--							00520HEL	521
00521	005210	03	FILLER						PICTURE X(50) VALUE	00521HEL	521
00522	005220	03	AC						PICTURE X(50) VALUE	00522HEL	521
00523	005230	03	AC						PICTURE X(50) VALUE	00523HEL	521
00524	005240	03	FILLER						PICTURE X(50) VALUE	00524HEL	521
00525	005250	03	FILLER						PICTURE X(50) VALUE	00525HEL	521
00526	005260	03	FILLER						PICTURE X(50) VALUE	00526HEL	521
00527	005270	03	FILLER						PICTURE X(50) VALUE	00527HEL	521
00528	005280	01	HL--							00528HEL	529
00529	005290	03	FILLER						PICTURE X(50) VALUE	00529HEL	530
00530	005300	03	TYPE TYPE						PICTURE X(50) VALUE	00530HEL	531
00531	005310	03	TYPE TYPE						PICTURE X(50) VALUE	00531HEL	531
00532	005320	03	FILLER						PICTURE X(50) VALUE	00532HEL	531
00533	005330	03	FILLER						PICTURE X(50) VALUE	00533HEL	531
00534	005340	03	FILLER						PICTURE X(50) VALUE	00534HEL	531
00535	005350	03	FILLER						PICTURE X(50) VALUE	00535HEL	531
00536	005360	01	HL--							00536HEL	531
00537	005370	03	HL--						PICTURE X(50) VALUE	00537HEL	531
00538	005380	03	HL--						PICTURE X(50) VALUE	00538HEL	531
00539	005390	03	HL--						PICTURE X(50) VALUE	00539HEL	531
00540	005400	03	HL--						PICTURE X(50) VALUE	00540HEL	531
00541	005410	03	HL--						PICTURE X(50) VALUE	00541HEL	531
00542	005420	03	HL--						PICTURE X(50) VALUE	00542HEL	531
00543	005430	03	HL--						PICTURE X(50) VALUE	00543HEL	531
00544	005440	03	HL--						PICTURE X(50) VALUE	00544HEL	531
00545	005450	03	HL--						PICTURE X(50) VALUE	00545HEL	531
00546	005460	03	HL--						PICTURE X(50) VALUE	00546HEL	531
00547	005470	03	HL--						PICTURE X(50) VALUE	00547HEL	531
00548	005480	03	HL--						PICTURE X(50) VALUE	00548HEL	531
00549	005490	03	HL--						PICTURE X(50) VALUE	00549HEL	531
00550	005500	03	HL--						PICTURE X(50) VALUE	00550HEL	531
00551	005510	03	HL--						PICTURE X(50) VALUE	00551HEL	531
00552	005520	03	HL--						PICTURE X(50) VALUE	00552HEL	531
00553	005530	03	HL--						PICTURE X(50) VALUE	00553HEL	531
00554	005540	03	HL--						PICTURE X(50) VALUE	00554HEL	531
00555	005550	03	HL--						PICTURE X(50) VALUE	00555HEL	531
00556	005560	03	HL--						PICTURE X(50) VALUE	00556HEL	531
00557	005570	03	HL--						PICTURE X(50) VALUE	00557HEL	531
00558	005580	03	HL--						PICTURE X(50) VALUE	00558HEL	531
00559	005590	03	HL--						PICTURE X(50) VALUE	00559HEL	531
00560	005600	03	HL--						PICTURE X(50) VALUE	00560HEL	531
00561	005610	03	HL--						PICTURE X(50) VALUE	00561HEL	531
00562	005620	03	HL--						PICTURE X(50) VALUE	00562HEL	531
00563	005630	03	HL--						PICTURE X(50) VALUE	00563HEL	531
00564	005640	03	HL--						PICTURE X(50) VALUE	00564HEL	531
00565	005650	03	HL--						PICTURE X(50) VALUE	00565HEL	531
00566	005660	03	HL--						PICTURE X(50) VALUE	00566HEL	531
00567	005670	03	HL--						PICTURE X(50) VALUE	00567HEL	531
00568	005680	03	HL--						PICTURE X(50) VALUE	00568HEL	531
00569	005690	03	HL--						PICTURE X(50) VALUE	00569HEL	531
00570	005700	03	HL--						PICTURE X(50) VALUE	00570HEL	531

00571	0057100	"2 HELICOPTERS	PACKAGE	HEL	"	00571HEL	572
00572	0057200	03 FILLER	PICTURE	X1821	VALUE	00572HEL	573
00573	0057300	"FFS CGFS"				00573HEL	574
00574	0057400	01 HLL-7.				00574HEL	575
00575	0057500	03 FILLER	PICTURE	X1501	VALUE	00575HEL	576
00576	0057600	"1	NU4	TYPE	"	00576HEL	577
00577	0057700	03 FILLER	NU4	TYPE	"	00577HEL	578
00578	0057800	03 FILLER	PICTURE	X1821	VALUE SPACES.	00578HEL	579
00579	0057900	01 HLL-DET2.	PICTURE	X	VALUE "0"	00579HEL	580
00580	0058000	03 DET-CC	PICTURE	X	VALUE "2"	00580HEL	581
00581	0058100	03 FILLER	PICTURE	X	VALUE "2"	00581HEL	582
00582	0058200	03 FILLER	PICTURE	X	VALUE "2"	00582HEL	583
00583	0058300	" HELICOPTER "	PICTURE	X1121	VALUE	00583HEL	584
00584	0058400	03 DET-HEL-NUM	PICTURE	Z9.		00584HEL	585
00585	0058500	03 FILLER	PICTURE	X1131	VALUE SPACES.	00585HEL	586
00586	0058600	03 DET-HEL-PKG-NU	PICTURE	X.		00586HEL	587
00587	0058700	03 FILLER	PICTURE	X171	VALUE SPACES.	00587HEL	588
00588	0058800	03 DET-HEL-TYPE	PICTURE	XX.		00588HEL	589
00589	0058900	03 FILLER	PICTURE	X151	VALUE SPACES.	00589HEL	590
00590	0059000	03 DET-HEL-FFS	PICTURE	Z22.		00590HEL	591
00591	0059100	03 FILLER	PICTURE	X141	VALUE SPACES.	00591HEL	592
00592	0059200	03 DET-HEL-CGFS	PICTURE	Z22.		00592HEL	593
00593	0059300	03 FILLER	PICTURE	X1711	VALUE SPACES.	00593HEL	594

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00594 005940 PROCEDURE DIVISION.
00595 005950 *****
00596 005960 THIS SECTION CONTAINS THE SORT. IT ALSO CHECKS A SWITCH SET
00597 005970 IN THE INPUT PROCEDURE OF THE SORT TO SEE IF THIS IS A PRINT
00598 005980 IF THE OLD LOAD TYPE FILE OR AN EDIT/UPDATE.
00599 005990 *****
00600 006000 *****
00601 006010 SORT-IT SECTION.
00602 006020 100-SRT-PAR.
00603 006030 SORT SRT-FILE ON ASCENDING KEY
00604 006040 S-CARD-NO
00605 006050 S-CARD-SEQ
00606 006060 INPUT PROCEDURE IS 51
00607 006070 INPUT PROCEDURE IS 52.
00608 006080 IF SM = 1
00609 006090 PERFORM PRT-RTN THRU PRT-XIT ELSE
00610 006100 PERFORM WRITE-NEW-MSTR THRU WRITE-XIT.
00611 006110 GO TO END-1.
00612 006120 *****
00613 006130 *****
00614 006140 INPUT PROCEDURE
00615 006150 READS THE CARD-TRANS FILE - IF "AT END" IS ENCOUNTERED ON
00616 006160 THE FIRST "READ" A SWITCH IS SET TO "1" WHICH SIGNIFIES THAT
00617 006170 THIS IS A PRINT OF THE MSTR-FILE. IF THE FIRST RECORD ON THE
00618 006180 CARD-TRANS FILE CONTAINS THE LITERAL "NEW BUILD" NO ATTEMPT
00619 006190 NEW BUILD-IF THE MASTER FILE, NOW THE REMAINING RECORDS ON
00620 006200 IS MADE TO OPEN THE OLD-MSTR, BECAUSE THIS IS CONSIDERED A
00621 006210 THE CARD-TRANS FILE ARE READ AND RELEASED TO SORT.
00622 006220 *****
00623 006230 *****
00624 006240 S1 SECTION.
00625 006250 200-CARD-TRANS.
00626 006260 MOVE CURRENT-DATE TO HLD-DATE.
00627 006270 MOVE SPACES TO BUF ALTERN.
00628 006280 MOVE ZERO TO LOC-CODE ERROR-SW.
00629 006290 MOVE SPACES TO HLD-234 E1-LINE E-LINES.
00630 006300 OPEN OUTPUT PRT-FILE.
00631 006310 OPEN INPUT CARD-TRANS.
00632 006320 READ CARD-TRANS AT END
00633 006330 MOVE 1 TO SW
00634 006340 GO TO S1-XIT.
00635 006350 IF CTRL-KEY = "NEW BUILD"
00636 006360 ALTER 500-OLD-MSTR TO PROCEED TO 700-DISK-OPEN
00637 006370 ALTER FILE-SK-ALTER TO PROCEED TO JPD-441E
00638 006380 GO TO 500-STORE-NO-CUPYS.
00639 006390 MOVE CRD-REC TO SRT-REC.
00640 006400 RELEASE SRT-REC.
00641 006410 MOVE SPACES TO SRT-REC.
00642 006420 300-REL-SRT.
00643 006430 READ CARD-TRANS INTO SRT-REC AT END
00644 006440 GO TO S1-XIT.
00645 006450 RELEASE SRT-REC.
00646 006460 GO TO 300-REL-SRT.
00647 006470 400-STORE-NO-CUPYS.
00648 006480 IF NO-CUPYS NUMERIC
00649 006490 MOVE NJ-CUPYS TO M-NO-CUPYS.
00650 006500 GO TO 300-REL-SRT.
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00594MELI 595  
00595MELI 595  
00596MELI 597  
00597MELI 593  
00598MELI 593  
00599MELI 603  
00600MELI 601  
00601MELI 602  
00602MELI 603  
00603MELI 604 0133  
00604MELI 605  
00605MELI 605 0233  
00606MELI 607 0230  
00607MELI 608  
00608MELI 609 0251  
00609MELI 610  
00610MELI 611  
00611MELI 612  
00612MELI 613  
00613MELI 614  
00614MELI 615  
00615MELI 615  
00616MELI 617  
00617MELI 613  
00618MELI 619  
00619MELI 620  
00620MELI 621  
00621MELI 622  
00622MELI 523  
00623MELI 624  
00624MELI 625  
00625MELI 626  
00626MELI 627  
00627MELI 623  
00628MELI 629  
00629MELI 630  
00630MELI 631 0236  
00631MELI 632 0058  
00632MELI 633 0058  
00633MELI 634  
00634MELI 635 0251  
00635MELI 635 0053  
00636MELI 637  
00637MELI 633  
00638MELI 639  
00639MELI 640 0052 0133  
00640MELI 641 0138  
00641MELI 642 0138  
00642MELI 643  
00643MELI 644 0058 0133  
00644MELI 645  
00645MELI 646 0139  
00646MELI 647  
00647MELI 543  
00648MELI 649 0053  
00649MELI 650 0058 0257  
00650MELI 651



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00651 006510 S1-XIT. 00651MELI 652
00652 006520 CLOSE CARD-TRANS. 00652MELI 653
00653 006530 S1-XITER. 00653MELI 654
00654 006540 EXIT. 00654MELI 655
00655 006550 00655MELI 656
00656 006560 00656MELI 657
00657 006570 00657MELI 658
00658 006580 00658MELI 659
00659 006590 00659MELI 660
00660 006600 S2 SECTION. 00660MELI 661
00661 006610 00661MELI 662
00662 006620 00662MELI 663
00663 006630 400-PRT-RTN-CK CHECKS THE SWITCH SET IN THE INPUT PROCEDURE 00663MELI 664
00664 006640 TO SEE IF THIS IS A PRINT OF THE MASTER FILE. 00664MELI 665
00665 006650 00665MELI 666
00666 006660 00666MELI 667
00667 006670 400-PRT-RTN-CK. 00667MELI 668
00668 006680 IF SW = 1 00668MELI 669
00669 006690 GO TO S2-XITER. 00669MELI 670
00670 006700 00670MELI 671
00671 006710 00671MELI 672
00672 006720 500-OLD-MSR IS USED TO SKIP 600-OLD-OPEN IF THIS IS A 00672MELI 673
00673 006730 NEW BUILD OF THE MASTER FILE. 00673MELI 674
00674 006740 00674MELI 675
00675 006750 00675MELI 676
00676 006760 500-OLD-MSR. 00676MELI 677
00677 006770 GO TO 600-OLD-OPEN. 00677MELI 678
00678 006780 00678MELI 679
00679 006790 00679MELI 680
00680 006800 600-OLD-OPEN SIMPLY OPENS THE OLD-MSR FILE IN PREPARATION 00680MELI 681
00681 006810 FOR THE UPDATE. 00681MELI 682
00682 006820 00682MELI 683
00683 006830 00683MELI 684
00684 006840 600-OLD-OPEN. 00684MELI 685
00685 006850 OPEN INPUT OLD-MSR. 00685MELI 686
00686 006860 MOVE 1 TO SFEAR. 00686MELI 687
00687 006870 00687MELI 688
00688 006880 00688MELI 689
00689 006890 700-DISK-OPEN OPENS THE TEMPORARY DISK-FILE. 00689MELI 690
00690 006900 00690MELI 691
00691 006910 00691MELI 692
00692 006920 700-DISK-OPEN. 00692MELI 693
00693 006930 OPEN OUTPUT DISK-FILE. 00693MELI 694
00694 006940 ACCEPT OLD-DATE FROM DATE. 00694MELI 695
00695 006950 00695MELI 696
00696 006960 00696MELI 697
00697 006970 800-RETURN-SRT RETURNS THE SRT-FILE FOR PROCESSING THE 00697MELI 698
00698 006980 UPDATE TRANSACTIONS. IT ALSO CHECKS FOR END OF FILE ON THE 00698MELI 699
00699 006990 SRT-FILE SENDING PROCESS CONTROL TO FILE-CK-ALTER IF B1 = 00699MELI 700
00700 007000 SPACES AND TO 900-CK-IT IF B1 NOT = SPACES. IF IT IS NOT 00700MELI 701
00701 007010 END OF FILE PROCESSING GOES TO 850-RT-SRT. 00701MELI 702
00702 007020 00702MELI 703
00703 007030 00703MELI 704
00704 007040 800-RETURN-SRT. 00704MELI 705
00705 007050 IF EOF = 1 AND B1 = SPACES 00705MELI 706
00706 007060 GO TO FILE-CK-ALTER. 00706MELI 707
00707 007070 IF EOF = 1 00707MELI 708

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00708      007080      AND B1 NOT = SPACES
00709      007090      GO TO 900-CK-11.
00710      007100      RETURN SRT-FILE AT END.
00711      007110      MOVE SPACES TO SRT-REC
00712      007120      MOVE 1 TO EOF
00713      007130      MOVE 0 TO SWITCHER
00714      007140      GO TO 900-CK-11.
00715      007150      ADD 1 TO SUB.
00716      007160      MOVE 1 TO SWITCHER.
00717      007170      *****
00718      007180      *****
00719      007190      850-RET-SRT LOADS A COMPLETE TRANSACTION INTO A HOLD-AREA
00720      007200      FOR EDITING AND UPDATING THE MASTER FILE.
00721      007210      *****
00722      007220      *****
00723      007230      850-RET-SRT.
00724      007240      IF EOF = 1 AND
00725      007250      SWEAR = ZERO
00726      007260      GO TO 52-XIT.
00727      007270      IF SUB GREATER THAN 4
00728      007280      GO TO 900-CK-11.
00729      007290      IF 5-LOAD-02 = 81-LOAD-ND
00730      007300      MOVE 0 TO SWITCHER
00731      007310      MOVE SRT-REC TO BUFR (SUB) ALT1 (SUB)
00732      007320      GO TO 900-RETURN-SRT.
00733      007330      *****
00734      007340      *****
00735      007350      900-CK-11 EXAMINES THE RECORDS AND PERFORMS EDITING ON
00736      007360      EACH TYPE OF RECORD PRESENT.
00737      007370      *****
00738      007380      *****
00739      007390      900-CK-11.
00740      007400      IF B1 = SPACES AND EOF = 1
00741      007410      GO TO FILE-CK-ALTER.
00742      007420      IF B1
00743      007430      = SPACES
00744      007440      MOVE 0 TO SWITCHER
00745      007450      MOVE SRT-REC TO BUFR (1) ALT1 (1)
00746      007460      GO TO 900-RETURN-SRT.
00747      007470      MOVE B1-REMARKS TO HLD-REMARKS.
00748      007480      EXAMINE B1 REPLACING ALL SPACES BY ZEROS.
00749      007490      MOVE HLD-REMARKS TO B1-REMARKS.
00750      007500      MOVE SPACES TO HLD-REMARKS.
00751      007510      PERFORM B1-EDIT THRU B1-XIT.
00752      007520      IF B2 NOT = SPACES
00753      007530      EXAMINE B2 REPLACING ALL SPACES BY ZEROS
00754      007540      MOVE 1 TO SUB
00755      007550      PERFORM B2-EDIT THRU B2-XIT.
00756      007560      IF B3 NOT = SPACES
00757      007570      EXAMINE B3 REPLACING ALL SPACES BY ZEROS
00758      007580      MOVE 2 TO SUB
00759      007590      PERFORM B3-EDIT THRU B3-XIT.
00760      007600      IF B4 NOT = SPACES
00761      007610      EXAMINE B4 REPLACING ALL SPACES BY ZEROS
00762      007620      MOVE 3 TO SUB
00763      007630      MOVE 0 TO HELTY
00764      007640      MOVE 3 TO SUB
00708HEL1  703 0335
00709HEL1  710
00710HEL1  711 0133
00711HEL1  712
00712HEL1  713 0138
00713HEL1  714 0276
00714HEL1  715 0237
00715HEL1  716 0259
00716HEL1  717 0232
00717HEL1  718
00718HEL1  719
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00721HEL1  722
00722HEL1  723
00723HEL1  724
00724HEL1  725 0276
00725HEL1  726 0234
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00727HEL1  728 0259
00728HEL1  729
00729HEL1  730 0233
00730HEL1  731 0339
00731HEL1  732 0237
00732HEL1  733 0133 0369 0259
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00736HEL1  737
00737HEL1  738
00738HEL1  739
00739HEL1  740
00740HEL1  741 0335 0275
00741HEL1  742
00742HEL1  743 0335
00743HEL1  744
00744HEL1  745 0237 0133 0369 0313
00745HEL1  746
00746HEL1  747 0356 0239
00747HEL1  748 0335
00748HEL1  749 0238 0355
00749HEL1  750 0238
00750HEL1  751
00751HEL1  752 0359
00752HEL1  753 0358
00753HEL1  754
00754HEL1  755 0258
00755HEL1  756 0259
00756HEL1  757 0351
00757HEL1  758 0351
00758HEL1  759
00759HEL1  760 0258
00760HEL1  761 0259
00761HEL1  762 0354
00762HEL1  763 0354
00763HEL1  764
00764HEL1  765 0258

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00765 PERFORM B2-EDIT THRU B2-XIT.
00766
00767
00768 1000-SET-EDIT EDITS THE COMPLETE TRANSACTION (1-4 RECORDS)
00769 CHECKING THINGS PERTAINING TO THE SET
00770
00771
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PERFORM B2-EDIT THRU B2-XIT.
IF B1-CARD-SEQ NOT EQUAL 1
  MOVE " " TO E1-CARD-SEQ
  MOVE 1 TO ERR-SW ES (3).
  IF 3UF = SPACES
    GO TO 1001-SET-EDIT.
  IF LAST-BUF NOT = SPACES
    GO TO 1001-SET-EDIT.
  IF B1-ACTION-CODE NOT = "D"
    MOVE 1 TO ERR-SW ES (4).
  1001-SET-EDIT.
  IF B2 NOT = SPACES
    MOVE B2 TO HLD-234
    MOVE 2 TO HELTY
    MOVE 5 TO CNT
    PERFORM SEQ-CK THRU SEQ-XIT.
  IF 3 NOT = SPACES
    MOVE B3 TO HLD-234
    MOVE 3 TO HELTY
    MOVE 6 TO CNT
    PERFORM SEQ-CK THRU SEQ-XIT.
  IF B4 NOT = SPACES
    MOVE B4 TO HLD-234
    MOVE 4 TO HELTY
    MOVE 7 TO CNT
    PERFORM SEQ-CK THRU SEQ-XIT.
  IF QM NOT = HELTY-CNT
    MOVE 1 TO ERR-SW ES (8)
    MOVE ALL " " TO E1-QTY-LMT E1-QTY-AHT.
  IF B1-LMT-CNT NOT = B1-QTY-LMT
    MOVE 1 TO ERR-SW
    MOVE ALL " " TO E1-QTY-LMT.
  IF B1-AHT-CNT NOT = B1-QTY-AHT
    MOVE 1 TO ERR-SW
    MOVE ALL " " TO E1-QTY-AHT.
  GO TO EDIT-PRT.
  SEQ-CK CHECKS THE SEQUENCE NUMBER OF THE TYPE TWO, THREE
  AND FOUR CARDS TO ENSURE THAT THEY ARE TWO THREE AND FOUR
  B-CARD-SEQ = HELTY
  MOVE 1 TO SUB1
  GO TO HELTY-CK.
  MOVE 1 TO ERR-SW ES (CNT)
  MOVE 1 TO SUB1.
  
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00822 008220* HELI-CK COUNTS THE NUMBER OF HELICOPTERS DESCRIBED IN THIS * 00822HELI 823
00823 008230* SET- THIS COUNT IS THEN COMPARED AGAINST THE TOTAL OF LARGE * 00823HELI 824
00824 008240* HELICOPTER TYPE AND ADDITIONAL HELICOPTER TYPE TO ENSURE * 00824HELI 825
00825 008250* THAT THE NUMBER OF HELICOPTERS SPECIFIED = NUMBER DESCRIBED. * 00825HELI 826
00826 008260* * 00826HELI 827
00827 008270* * 00827HELI 828
00828 008280 HELI-CK. * 00828HELI 829
00829 008290 IF B-HLCPTAS (SUB1) = SPACES OR ZEROS * 00829HELI 830 0379 0250
00830 008300 GO TO SEQ-XIT. * 00830HELI 831
00831 008310 ADD 1 TO HELI-CNT. * 00831HELI 832 0273
00832 008320 ADD 1 TO SUB1. * 00832HELI 833 0250
00833 008330 IF SUB1 = 8 * 00833HELI 834 0250
00834 008340 GO TO SEQ-XIT. * 00834HELI 835
00835 008350 GO TO HELI-CK. * 00835HELI 836
00836 008360 SEQ-XIT. * 00836HELI 837
00837 008370 EXIT. * 00837HELI 838
00838 008380 * 00838HELI 839
00839 008390 * 00839HELI 840
00840 008400 * 00840HELI 841
00841 008410 * 00841HELI 842
00842 008420 * 00842HELI 843
00843 008430 * 00843HELI 844
00844 008440 * 00844HELI 845
00845 008450 MOVE ZEROS TO ERR-54. * 00845HELI 846 0252
00846 008460 IF 31 = SPACES OR ZEROS * 00846HELI 847 0315
00847 008470 GO TO 31-XIT. * 00847HELI 848
00848 008480 * 00848HELI 849
00849 008490 * 00849HELI 850
00850 008500 * 00850HELI 851
00851 008510 * 00851HELI 852
00852 008520 * 00852HELI 853
00853 008530 * 00853HELI 854
00854 008540 * 00854HELI 855
00855 008550 * 00855HELI 856 0336 0435
00856 008560 * 00856HELI 857 0473
00857 008570 * 00857HELI 858
00858 008580 * 00858HELI 859 0337 0252
00859 008590 * 00859HELI 860 0337 0435
00860 008600 * 00860HELI 861 0473
00861 008610 * 00861HELI 862
00862 008620 * 00862HELI 863 0338 0252
00863 008630 * 00863HELI 864 0338 0435
00864 008640 * 00864HELI 865 0473
00865 008650 * 00865HELI 866
00866 008660 * 00866HELI 867 0339 0252
00867 008670 * 00867HELI 868 0339 0435
00868 008680 * 00868HELI 869 0473
00869 008690 * 00869HELI 870
00870 008700 * 00870HELI 871 0339 0252
00871 008710 * 00871HELI 872 0339 0435
00872 008720 * 00872HELI 873 0473
00873 008730 * 00873HELI 874
00874 008740 * 00874HELI 875 0339 0252
00875 008750 * 00875HELI 876 0339 0435
00876 008760 * 00876HELI 877 0473
00877 008770 * 00877HELI 878
00878 008780 * 00878HELI 879 0339 0252

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008790 MOVE 1 TO S331.
008800 PERF084 B1-PKG-CK THRU B1-PKG-CK-XIT.
008810 GO TO B1-DATA-CK.
008820 .....
008830 .....
008840 .....
008850 .....
008860 .....
008870 .....
008880 .....
008890 .....
008900 .....
008910 .....
008920 .....
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008960 .....
008970 .....
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008990 .....
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009010 .....
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009100 .....
009110 .....
009120 .....
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009140 .....
009150 .....
009160 .....
009170 .....
009180 .....
009190 .....
009200 .....
009210 .....
009220 .....
009230 .....
009240 .....
009250 .....
009260 .....
009270 .....
009280 .....
009290 .....
009300 .....
009310 .....
009320 .....
009330 .....
009340 .....
009350 .....

IF S331 = 3
GO TO B1-PKG-CK-XIT.
IF B1-PKG-CK (SUB1) = ZEROS OR SPACES
GO TO B1-PKG-CK-XIT.
MOVE B1-WEIGHT (SUB1) TO N-DN.
IF NUM-CK 43T NUMERIC
MOVE ALL "N" TO E1-WEIGHT (SUB1)
MOVE 1 TO ERR-S4.
MOVE B1-LENGTH (SUB1) TO N-DN.
IF NUM-CK 43T NUMERIC
MOVE ALL "N" TO E1-LENGTH (SUB1)
MOVE 1 TO ERR-S4.
MOVE B1-WIDTH (SUB1) TO N-DN.
IF NUM-CK 43T NUMERIC
MOVE ALL "N" TO E1-WIDTH (SUB1)
MOVE 1 TO ERR-S4.
MOVE B1-FFS (SUB1) TO N-DN.
IF NUM-CK 43T NUMERIC
MOVE ALL "N" TO E1-FFS (SUB1)
MOVE 1 TO ERR-S4.
MOVE B1-INCH-FRM-RT (SUB1) TO N-DN.
IF NUM-CK 43T NUMERIC
MOVE ALL "N" TO E1-INCH-FRM-RT (SUB1)
MOVE 1 TO ERR-S4.
ADD 1 TO S331.
GO TO B1-PKG-CK.
B1-PKG-CK-XIT.
EXIT.
.....
B1-DATA-CK PERFORMS THE VALIDATION OF THE DATA IN THE B1-
CARD (TYPE 1).
.....
B1-DATA-CK.
IF B1-CARD-SEQ = 1 GO TO B1-D-C-1.
IF B1-CARD-SEQ = SPACES
MOVE SPACES TO E1-LINE
MOVE ALL " " TO E1-CARD-SEQ
MOVE 1 TO ERR-S4
GO TO B1-XIT.
B1-D-C-1.
ADD 1 TO CARD-CNT.
MOVE 1 TO CNT.
IF B2 NOT = SPACES
ADD 1 TO CNT.
IF B3 NOT = SPACES

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008790 99 0250
008800 99
008810 88
008820 88
008830 88
008840 99
008850 88
008860 33
008870 88
008880 88
008890 88
008900 88
008910 99
008920 99
008930 99
008940 88
008950 88
008960 88
008970 99
008980 99
008990 99
009000 99
009010 99
009020 99
009030 99
009040 99
009050 99
009060 99
009070 99
009080 99
009090 99
009100 99
009110 99
009120 99
009130 99
009140 99
009150 99
009160 99
009170 99
009180 99
009190 99
009200 99
009210 99
009220 99
009230 99
009240 99
009250 99
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009270 99
009280 99
009290 99
009300 99
009310 99
009320 99
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009340 99
009350 99

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00936 009360 ADD 1 TO CNT. 00936HELI 937 0276
00937 009370 IF B4 NOT = SPACES 00937HELI 938 0356
00938 009380 ADD 1 TO CNT. 00938HELI 939 0276
00939 009390 IF B1-NO-CARDS = CNT 00939HELI 940 0337
00940 009400 GO TO 31-D-C-2. 00940HELI 941 0276
00941 009410 IF E1-NO-CARDS = SPACES 00941HELI 942 0338
00942 009420 MOVE ALL "0" TO E1-NO-CARDS 00942HELI 943
00943 009430 MOVE 1 TO ERR-S4 ES 11. 00943HELI 944 0338 0252 0621
00944 009440 B1-D-C-2. 00944HELI 945
00945 009450 IF B1-ACTION-CODE = "A" OR "D" OR "R" 00945HELI 945 0338
00946 009460 NEXT SENTENCE ELSE 00946HELI 947
00947 009470 MOVE "0" TO E1-ACTION-CODE 00947HELI 948
00948 009480 MOVE 1 TO ERR-S4 00948HELI 949 0339
00949 009490 GO TO 31-XIT. 00949HELI 950 0252
00950 009500 IF B1-AC-TYPE = 1 OR 5 OR 8 00950HELI 951 0360
00951 009510 GO TO 31-D-C-3. 00951HELI 952
00952 009520 IF E1-AC-TYPE = SPACES 00952HELI 953 0331
00953 009530 MOVE "0" TO E1-AC-TYPE 00953HELI 954
00954 009540 MOVE 1 TO ERR-S4. 00954HELI 955 0331 0252
00955 009550 B1-D-C-3. 00955HELI 956
00956 009560 IF B1-LHT = 1 OR 3 OR 5 OR 7 OR 9 00956HELI 957 0361
00957 009570 GO TO 31-D-C-4. 00957HELI 958
00958 009580 IF E1-LHT = SPACES 00958HELI 959 0332
00959 009590 MOVE "0" TO E1-LHT 00959HELI 960
00960 009600 MOVE 1 TO ERR-S4. 00960HELI 961 0332 0252
00961 009610 B1-D-C-4. 00961HELI 962
00962 009620 COMPUTE QH = B1-QTY-LHT + B1-QTY-AHT. 00962HELI 963 0256 0355 0367
00963 009630 IF QH GREATER THAN 16 00963HELI 964 0256
00964 009640 MOVE ALL "0" TO E1-QTY-LHT E1-QTY-AHT 00964HELI 965 0336
00965 009650 MOVE 1 TO ERR-S4 ES 121. 00965HELI 966 0252 0421
00966 009660 ADD B1-WEIGHT (1) B1-WEIGHT (2) GIVING MAXIM. 00966HELI 967 0351 0351 0275
00967 009670 IF MAXIM GREATER THAN AHT (B3-AC-TYPE) 00967HELI 968 0275 0432 0360
00968 009680 MOVE 1 TO ERR-S4 00968HELI 969
00969 009690 MOVE ALL "0" TO E1-WEIGHT (1) E1-WEIGHT (2). 00969HELI 970 0252 0600 0600
00970 009700 ADD B1-LENGTH (1) B1-LENGTH (2) GIVING MAXIM. 00970HELI 971 0352 0332 0275
00971 009710 IF MAXIM GREATER THAN LGTH (B3-AC-TYPE) 00971HELI 972 0275 0679 0360
00972 009720 MOVE 1 TO ERR-S4 00972HELI 973
00973 009730 MOVE ALL "0" TO E1-LENGTH (1) E1-LENGTH (2). 00973HELI 974 0262 0431 0401
00974 009740 IF B1-WIDTH (1) GREATER THAN WID (B1-AC-TYPE) 00974HELI 975 0353 0439 0360
00975 009750 MOVE 1 TO ERR-S4 00975HELI 976
00976 009760 MOVE ALL "0" TO E1-WIDTH (1). 00976HELI 977 0252 0432
00977 009770 IF B1-MIDTH (2) GREATER THAN MID (B3-AC-TYPE) 00977HELI 978 0353 0630 0360
00978 009780 MOVE 1 TO ERR-S4 00978HELI 979
00979 009790 MOVE ALL "0" TO E1-MIDTH (2). 00979HELI 980 0252 0432
00980 009800 IF B1-PKG-VD (1) = SPACES OR ZEROS 00980HELI 981 0350
00981 009810 GO TO 31-XIT. 00981HELI 982
00982 009820 IF B1-FFS (1) LESS THAN FFS (B1-AC-TYPE) 00982HELI 983 0356 0631 0360
00983 009830 MOVE 1 TO ERR-S4 00983HELI 984
00984 009840 MOVE ALL "0" TO E1-FFS (1). 00984HELI 985 0252 0433
00985 009850 IF B1-PKG-VD (2) = SPACES OR ZEROS 00985HELI 986 0350
00986 009860 GO TO 31-XIT. 00986HELI 987
00987 009870 IF B1-FFS (2) LESS THAN FFS (B1-AC-TYPE) 00987HELI 988 0356 0631 0360
00988 009880 MOVE 1 TO ERR-S4 00988HELI 989
00989 009890 MOVE ALL "0" TO E1-FFS (2). 00989HELI 990 0252 0433
00990 009900 B1-XIT. 00990HELI 991
00991 009910 EXIT. 00991HELI 992
00992 009920 ***** 00992HELI 993
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00993 002930**
00994 009940** B2-EDIT CHECKS THE CARD SEQUENCE NUMBER ON THE TYPE-THU
00995 009950** THREE AND FOUR CARDS FOR NUMERIC DATA. THIS PARAGRAPH ALSO
00996 009960** PERFORMS T43 OTHER PARAGRAPHS, HELI-NJ4-CK WHICH CHECKS
00997 009970** THE HELICOPTER DESCRIPTION FIELDS FOR NJ4ERIC DATA AND
00998 009980** B2-DATA-CK WHICH CHECKS TO SEE THAT THE HELICOPTER DESCRIBED
00999 009990** IS EITHER THE LARGE OR ADDITIONAL HELICOPTER TYPE.
01000 010000**
01001 010010**
01002 010020** B2-EDIT.
01003 010030** COMPUTE CNTR = SUB + 1.
01004 010040** IF BUFR (CHTR) = SPACES OR ZEROS
01005 010050** GO TO B2-XIT.
01006 010060** MOVE BUFR-ICNTR TO HELD-234.
01007 010070** MOVE B-CARD-SEQ TO N-DN.
01008 010080** IF NUM-CK NOT NUMERIC
01009 010090** MOVE "V" TO E-CARD-SEQ (SUB)
01010 010100** MOVE 1 TO ERR-54.
01011 010110** MOVE 1 TO SUB1.
01012 010120** PERFORM HELI-NUM-CK HELTY TIMES.
01013 010130** MOVE 1 TO SUB1.
01014 010140** PERFORM B2-DATA-CK THRU B2-D-C-1 HELTY TIMES.
01015 010150** GO TO B2-XIT.
01016 010160** HELI-NUM-CK.
01017 010170** MOVE B-CHOP (SUB1) TO N-DN.
01018 010180** IF NUM-CK NOT NUMERIC
01019 010190** MOVE ALL "N" TO E-HLCPTRS (SUB, SUB1)
01020 010200** MOVE 1 TO ERR-54.
01021 010210** ADD 1 TO SUB1.
01022 010220** B2-DATA-CK.
01023 010230** IF B-HEL-PKG-NO (SUB1) = 0 OR 1 OR 2
01024 010240** NEXT SENTENCE ELSE
01025 010250** MOVE 1 TO ERR-54
01026 010260** MOVE ALL "N" TO E-HEL-PKG-NO (SUB, SUB1).
01027 010270** IF B-HEL-TYPE (SUB1) = B1-LHT OR B1-AHT OR ZEROS
01028 010280** NEXT SENTENCE ELSE
01029 010290** MOVE "N" TO E-HEL-TYPE (SUB, SUB1)
01030 010300** MOVE 1 TO ERR-54.
01031 010310** IF B-HEL-TYPE (SUB1) = B1-LHT
01032 010320** ADD 1 TO B1-LHT-CMT.
01033 010330** IF B-HEL-TYPE (SUB1) NOT = B1-AHT
01034 010340** GO TO B2-D-C-1.
01035 010350** IF B-HEL-TYPE (SUB1) NOT = ZEROS
01036 010360** ADD 1 TO B1-AHT-CMT.
01037 010370** B2-D-C-1.
01038 010380** ADD 1 TO SUB1.
01039 010390** B2-XIT.
01040 010400** EXIT.
01041 010410**
01042 010420**
01043 010430** EDIT-PRI. AFTER A SET HAS BEEN EDITED, THIS PARAGRAPH
01044 010440** TOTALS THE NUMBER OF LINES ALREADY WRITTEN IN THIS PAGE OF
01045 010450** OUTPUT AND THE NUMBER OF PRINT LINES THIS SET NEEDS TO
01046 010460** ENSURE PRINTING OF THE WHOLE TRANSACTION ON THE SAME PAGE.
01047 010470** IF NOT IT SKIPS TO A NEW PAGE.
01048 010480**
01049 010490**

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010500 EDIT-PRT.
010510 IF HDR-SM = 1
010520 ADD 1 TO CNT.
010530 IF B1 = SPACES OR ZEROS
010540 NEXT SENTENCE ELSE ADD 5 TO CNT.
010550 IF B2 = SPACES OR ZEROS
010560 NEXT SENTENCE ELSE ADD 2 TO CNT.
010570 IF B3 = SPACES OR ZEROS
010580 NEXT SENTENCE ELSE ADD 2 TO CNT.
010590 IF B4 = SPACES OR ZEROS
010600 NEXT SENTENCE ELSE ADD 2 TO CNT.
010610 IF E1-LINE = SPACES OR ZEROS
010620 NEXT SENTENCE ELSE ADD 2 TO CNT.
010630 IF E-LINE (1) = SPACES OR ZEROS
010640 NEXT SENTENCE ELSE ADD 2 TO CNT.
010650 IF E-LINE (2) = SPACES OR ZEROS
010660 NEXT SENTENCE ELSE ADD 2 TO CNT.
010670 IF E-LINE (3) = SPACES OR ZEROS
010680 NEXT SENTENCE ELSE ADD 2 TO CNT.
010690 MOVE 1 TO SJR1.
010700 IF ERR-SM = 1
010710 PERFORM ES-CNT 8 TIMES.
010720 ADD LINE-CNT TO CNT.
010730 GO TO PRTR.
010740 *****
010750 *****
010760 *****
010770 *****
010780 *****
010790 *****
010800 ES-CNT.
010810 IF ES (SUB1) = 1
010820 ADD 1 TO SJR1.
010830 *****
010840 *****
010850 *****
010860 *****
010870 *****
010880 *****
010890 *****
010900 *****
010910 *****
010920 PRTR.
010930 IF CNT GREATER THAN 55
010940 WRITE PRT FROM ALL-BLANK-LINE
010950 WRITE PRT FROM EC-LINE
010960 MOVE HLD-DATE TO EC-DATE
010970 MOVE CURRENT-DATE TO EC-DATE
010980 WRITE PRT FROM EC-DATE-LINE
010990 MOVE 0 TO HDR-SM
011000 MOVE 2 TO LINE-CNT.
011010 IF HDR-SM = 2
011020 MOVE ZERO TO HDR-SM
011030 MOVE 2 TO LINE-CNT
011040 WRITE PRT FROM ALL-BLANK-LINE
011050 WRITE PRT FROM EC-LINE
011060 MOVE HLD-DATE TO EC-DATE
01050HEL 1051
01051HEL 1052 0278
01052HEL 1053 0276
01053HEL 1054 0315
01054HEL 1055 0274
01055HEL 1056 0358
01056HEL 1057 0274
01057HEL 1058 0351
01058HEL 1059 0274
01059HEL 1060 0354
01060HEL 1061 0274
01061HEL 1062 0316
01062HEL 1063 0276
01063HEL 1064 0406
01064HEL 1065 0274
01065HEL 1066 0406
01066HEL 1067 0274
01067HEL 1068 0406
01068HEL 1069 0276
01069HEL 1070 0250
01070HEL 1071 0252
01071HEL 1072
01072HEL 1073 0279 0274
01073HEL 1074
01074HEL 1075
01075HEL 1076
01076HEL 1077
01077HEL 1078
01078HEL 1079
01079HEL 1080
01080HEL 1081
01081HEL 1082 0421 0250
01082HEL 1083 0276
01083HEL 1084 0250
01084HEL 1085
01085HEL 1086
01086HEL 1087
01087HEL 1088
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01089HEL 1090
01090HEL 1091
01091HEL 1092
01092HEL 1093
01093HEL 1094 0274
01094HEL 1095 0244
01095HEL 1096 0496 0244
01096HEL 1097 0321 0232
01097HEL 1098
01098HEL 1099 0304 0244
01099HEL 1100 0331
01100HEL 1101 0278 0279
01101HEL 1102 0278
01102HEL 1103
01103HEL 1104 0278
01104HEL 1105 0279 0244
01105HEL 1106 0496 0244
01106HEL 1107 0321 0232
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01107 WRITE PRT FROM EC-DAT-LINE.
01108 MOVE SPACES TO PRT.
01109 MOVE "0" TO PRT-CC.
01110 MOVE "2" TO PRT-CC.
01111 WRITE PRT.
01112 WRITE PRT FROM CNT-LINE.
01113 ADD 3 TO LINE-CNT.
01114 IF B1 NOT = SPACES
01115 MOVE "0" TO PRT-CC
01116 MOVE B1-ALT TO PRT-DATA
01117 WRITE PRT
01118 ADD 2 TO LINE-CNT.
01119 IF E1-LINE NOT = SPACES
01120 MOVE " " TO PRT-CC
01121 MOVE E1-ALT TO PRT-CC
01122 MOVE E1-LINE TO PRT-DATA
01123 WRITE PRT
01124 ADD 1 TO LINE-CNT.
01125 IF B2 NOT = SPACES
01126 MOVE "0" TO PRT-CC
01127 MOVE B2-ALT TO PRT-DATA
01128 WRITE PRT
01129 ADD 2 TO LINE-CNT.
01130 IF E-LINE (1) NOT = SPACES
01131 MOVE " " TO PRT-CC
01132 MOVE E-LINE (1) TO PRT-CC
01133 MOVE E-LINE (2) TO PRT-DATA
01134 MOVE E-LINE (3) TO PRT-DATA
01135 WRITE PRT
01136 ADD 1 TO LINE-CNT.
01137 IF B3 NOT = SPACES
01138 MOVE "0" TO PRT-CC
01139 MOVE B3-ALT TO PRT-DATA
01140 WRITE PRT
01141 ADD 2 TO LINE-CNT.
01142 IF E-LINE (1) NOT = SPACES
01143 MOVE " " TO PRT-CC
01144 MOVE E-LINE (1) TO PRT-CC
01145 MOVE E-LINE (2) TO PRT-DATA
01146 MOVE E-LINE (3) TO PRT-DATA
01147 WRITE PRT
01148 ADD 1 TO LINE-CNT.
01149 IF B4 NOT = SPACES
01150 MOVE "0" TO PRT-CC
01151 MOVE B4-ALT TO PRT-DATA
01152 WRITE PRT
01153 ADD 2 TO LINE-CNT.
01154 IF E-LINE (1) NOT = SPACES
01155 MOVE " " TO PRT-CC
01156 MOVE E-LINE (1) TO PRT-CC
01157 MOVE E-LINE (2) TO PRT-DATA
01158 MOVE E-LINE (3) TO PRT-DATA
01159 WRITE PRT
01160 ADD 1 TO LINE-CNT.
01161 MOVE 1 TO 531.
01162 PERFORM PRT-ERR 8 TIMES.
01163
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01107HEL 1109 0334 0244 0301
01108HEL 1109 0244
01109HEL 1110 0245
01110HEL 1111
01111HEL 1112 0244
01112HEL 1113 0244 0327
01113HEL 1114 0279
01114HEL 1115 0335
01115HEL 1116
01116HEL 1117 0245 0303
01117HEL 1118 0246
01118HEL 1119 0279
01119HEL 1120 0244 0279
01120HEL 1121 0336
01121HEL 1122
01122HEL 1123
01123HEL 1124 0245 0335
01124HEL 1125 0246
01125HEL 1126 0279
01126HEL 1127 0335
01127HEL 1128
01128HEL 1129
01129HEL 1130 0245 0303
01130HEL 1131 0246
01131HEL 1132 0244 0279
01132HEL 1133 0436
01133HEL 1134
01134HEL 1135
01135HEL 1136 0245 0435
01136HEL 1137 0246
01137HEL 1138 0244 0279
01138HEL 1139 0351
01139HEL 1140
01140HEL 1141
01141HEL 1142 0245 0313
01142HEL 1143 0246
01143HEL 1144 0244 0279
01144HEL 1145 0436
01145HEL 1146
01146HEL 1147 0245 0405
01147HEL 1148 0246
01148HEL 1149 0244 0279
01149HEL 1150 0244 0279
01150HEL 1151 0334
01151HEL 1152
01152HEL 1153
01153HEL 1154 0245 0311
01154HEL 1155 0246
01155HEL 1156 0244 0279
01156HEL 1157 0436
01157HEL 1158
01158HEL 1159
01159HEL 1160 0245 0405
01160HEL 1161 0246
01161HEL 1162 0244 0279
01162HEL 1163 0250
01163HEL 1164
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011640	IF ERR-SW = 0	011640HLL	1155	0252
011650	GO TO FILE-CK-ALTER.	011650HLL	1165	
011660	GO TO BUILD-DISK-REC-XIT.	011660HLL	1167	
011670	*****	011670HLL	1169	
011680*	*****	011680HLL	1169	
011690*	PATR-ERR PRINTS THE WRITTEN (EXPLAINED) ERRORS WHICH WERE	011690HLL	1170	
011700*	ENCOUNTERED IN THIS TRANSACTION.	011700HLL	1171	
011710**	*****	011710HLL	1172	
011720*	*****	011720HLL	1173	
011730	PATR-ERR.	011730HLL	1174	
011740	IF ES (SUBR) NOT = SPACES	011740HLL	1175	0421 0253
011750*	IF ES (SUBR) NOT = ZERO	011750HLL	1175	
011760	WRITE PAT FROM ES-LINE (SUBR)	011760HLL	1177	0246 0453 0260
011770	ADD 1 TO LINE-CNT.	011770HLL	1178	0279
011780	ADD 1 TO SJST.	011780HLL	1179	0250
011790**	*****	011790HLL	1180	
011800**	*****	011800HLL	1181	
011810*	FILE-CK-ALTER IS USED TO SKIP THE ROUTINE TO READ TAE	011810HLL	1182	
011820*	ULD-MSTR IF THIS IS A NEW BUILD.	011820HLL	1183	
011830**	*****	011830HLL	1184	
011840*	*****	011840HLL	1185	
011850	FILE-CK-ALTER.	011850HLL	1185	
011860	GO TO FILE-CK.	011860HLL	1187	
011870**	*****	011870HLL	1193	
011880**	*****	011880HLL	1189	
011890*	FILE-CK. THIS BEGINS THE PROCEDURE USED TO CHECK THE	011890HLL	1190	
011900*	ULD-MSTR. IT IS USED TO CHECK FOR END OF PROCEDURE OUTPUT	011900HLL	1191	
011910*	IT ALSO PERFORMS THE BUILD FOR A TRANSACTION TO BE ADDED.	011910HLL	1192	
011920**	*****	011920HLL	1193	
011930**	*****	011930HLL	1194	
011940	FILE-CK.	011940HLL	1195	
011950	IF EDE = 1 AND	011950HLL	1195	0276
011960	END-SW = 2	011960HLL	1197	0271
011970	GO TO SZ-XIT.	011970HLL	1199	
011980	IF B1-ACTION-CODE = "A"	011980HLL	1199	0338
011990	PERFORM READ-OLD-MSTR THRU ROM-XIT.	011990HLL	1200	
012000	IF B1-ACTION-CODE = "A" AND	012000HLL	1201	0338
012010	D-LOAD-WD = B1-LOAD-WD	012010HLL	1202	0042
012020	DISPLAY RECORD AN ATTEMPTING TO ADD ALREADY ON FILE"	012020HLL	1203	0339
012030	MOVE "0" TO END-SW	012030HLL	1204	
012040	GO TO BUILD-DISK-REC-XIT.	012040HLL	1205	0271
012050	IF B1-ACTION-CODE = "A"	012050HLL	1205	0339
012060	PERFORM BUILD-DISK-REC	012060HLL	1207	
012070	GO TO BUILD-DISK-REC-XIT.	012070HLL	1209	
012080	IF END-SW = 3	012080HLL	1209	0271
012090	GO TO D250.	012090HLL	1210	
012100	B150-OLD-CK.	012100HLL	1211	
012110	GO TO D200-READ.	012110HLL	1212	
012120	*****	012120HLL	1213	
012130**	*****	012130HLL	1214	
012140*	D200-READ READS THE OLD-MSTR. IF "END OF FILE" IS	012140HLL	1215	
012150*	ENCOUNTERED IT PERFORMS CERTAIN FUNCTIONS TO INSURE THAT NO	012150HLL	1215	
012160*	ATTEMPT IS MADE TO READ THE OLD-MSTR AGAIN.	012160HLL	1217	
012170**	*****	012170HLL	1218	
012180**	*****	012180HLL	1219	
012190	D200-READ.	012190HLL	1220	
012200	READ OLD-MSTR ATENOJ	012200HLL	1221	0074

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01221 012210 CLOSE JLD-MSTR
01222 012220 MOVE 2 TO END-S4
01223 012230 ALTER I150-OLD-CK TO PROCEED TO UPD-WRITE
01224 012240 GO TO FILE-CK.
01225 012250 IF D-LOAD-VJ = 999997 OR 999999
01226 012260 PERFORM 1225-DISPLAY THRU 1240-XIT
01227 012270 CLOSE JLD-MSTR
01228 012280 MOVE 2 TO END-S4
01229 012290 ALTER I150-OLD-CK TO PROCEED TO UPD-WRITE
01230 012300 GO TO FILE-CK.
01231 012310 GO TO 1250.
01232 012320 1225-DISPLAY.
01233 012330 IF D-LOAD-VJ = 999997
01234 012340 MOVE 3 TO MAX
01235 012350 GO TO 1230.
01236 012360 IF D-LOAD-VJ = 999998
01237 012370 MOVE 2 TO MAX
01238 012380 GO TO 1230.
01239 012390 MOVE 1 TO MAX.
01240 012400 1230.
01241 012410 SUBTRACT 1 FROM MAX.
01242 012420 DISPLAY = OLD-MSTR-REC.
01243 012430 IF MAX = ZERO
01244 012440 GO TO 1240-XIT.
01245 012450 1235.
01246 012460 READ OLD-MSTR AT END
01247 012470 GO TO 1240-XIT.
01248 012480 GO TO 1230.
01249 012490 1240-XIT.
01250 012500 EXIT.
01251 012510 *****
01252 012520 *****
01253 012530 *****
01254 012540 *****
01255 012550 *****
01256 012560 *****
01257 012570 *****
01258 012580 *****
01259 012590 *****
01260 012600 *****
01261 012610 *****
01262 012620 *****
01263 012630 *****
01264 012640 *****
01265 012650 *****
01266 012660 *****
01267 012670 *****
01268 012680 *****
01269 012690 *****
01270 012700 *****
01271 012710 *****
01272 012720 *****
01273 012730 *****
01274 012740 *****
01275 012750 *****
01276 012760 *****
01277 012770 *****

01221 HELI 1222 0076
01222 HELI 1223
01223 HELI 1224 0271
01224 HELI 1225 0032
01225 HELI 1227
01226 HELI 1223 0076
01227 HELI 1229
01228 HELI 1230 0271
01229 HELI 1231
01230 HELI 1232
01231 HELI 1233
01232 HELI 1234 0032
01233 HELI 1235 0257
01234 HELI 1236 0032
01235 HELI 1237
01236 HELI 1233
01237 HELI 1239 0257
01238 HELI 1240 0257
01239 HELI 1241
01240 HELI 1242 0257
01241 HELI 1243 0030
01242 HELI 1244 0257
01243 HELI 1245
01244 HELI 1245
01245 HELI 1245
01246 HELI 1247 0076
01247 HELI 1249
01248 HELI 1249
01249 HELI 1250
01250 HELI 1251
01251 HELI 1252
01252 HELI 1253
01253 HELI 1254
01254 HELI 1255
01255 HELI 1255
01256 HELI 1257
01257 HELI 1253
01258 HELI 1253
01259 HELI 1253 0276
01260 HELI 1261 0117
01261 HELI 1262
01262 HELI 1263 0030
01263 HELI 1264 0032
01264 HELI 1265 0339
01265 HELI 1266 0271
01266 HELI 1267 0032
01267 HELI 1269 0339
01268 HELI 1269 0271
01269 HELI 1270 0117
01270 HELI 1271
01271 HELI 1272 0010
01272 HELI 1273
01273 HELI 1274 0076
01274 HELI 1275 0076
01275 HELI 1275
01276 HELI 1277 0271
01277 HELI 1273
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01278 IF D-LOAD-VJ = B1-L3AD-ND 1278 0012
01279 GO TO X3M-XIT. 1279 0013
01280 IF D-LOAD-VJ GREATER THAN B1-LOAD-VJ 1280 0032
01281 MOVE 3 TO END-SM 1281 0032
01282 GO TO X3M-XIT. 1282 0033
01283 WRITE DISK-REC FROM OLD-MSTR-REC 1283 0271
01284 INVALID KEY DISPLAY = INV-WRI 1284 0117
01285 GO TO READ-OLD-MSTR. 1285 0030
01286 ROM-XIT. 1286 0030
01287 EXIT. 1287 0030
01288 ***** 1288 0030
01289 ***** 1289 0030
01290 ***** 1290 0030
01291 ***** 1291 0030
01292 ***** 1292 0030
01293 ***** 1293 0030
01294 ***** 1294 0030
01295 ***** 1295 0030
01296 ***** 1296 0030
01297 ***** 1297 0030
01298 ***** 1298 0030
01299 ***** 1299 0030
01300 ***** 1300 0030
01301 ***** 1301 0030
01302 ***** 1302 0030
01303 ***** 1303 0030
01304 ***** 1304 0030
01305 ***** 1305 0030
01306 ***** 1306 0030
01307 ***** 1307 0030
01308 ***** 1308 0030
01309 ***** 1309 0030
01310 ***** 1310 0030
01311 ***** 1311 0030
01312 ***** 1312 0030
01313 ***** 1313 0030
01314 ***** 1314 0030
01315 ***** 1315 0030
01316 ***** 1316 0030
01317 ***** 1317 0030
01318 ***** 1318 0030
01319 ***** 1319 0030
01320 ***** 1320 0030
01321 ***** 1321 0030
01322 ***** 1322 0030
01323 ***** 1323 0030
01324 ***** 1324 0030
01325 ***** 1325 0030
01326 ***** 1326 0030
01327 ***** 1327 0030
01328 ***** 1328 0030
01329 ***** 1329 0030
01330 ***** 1330 0030
01331 ***** 1331 0030
01332 ***** 1332 0030
01333 ***** 1333 0030
01334 ***** 1334 0030
01335 ***** 1335 0030

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01335      MOVE TYP-AC (D-AC-TYPE) TO DET-AC-TYPE.
01336      MOVE HELT-TYPE (D-LHT) TO DET-LHT.
01337      MOVE D-LOAD-SEQU-NO TO DET-LOAD-SEQ.
01338      MOVE D-QTY-INT TO DET-QTY-LHT.
01339      IF D-AHT LESS THAN 1
01340      MOVE SPACES TO DET-AHT ELSE
01341      MOVE HELT-TYPE (D-AHT) TO DET-AHT.
01342      MOVE D-QTY-AHT TO DET-QTY-AHT.
01343      IF D-ADD-CARGO NOT = "A"
01344      MOVE SPACES TO DET-ADD-CARGO ELSE
01345      MOVE D-ADD-CARGO TO DET-ADD-CARGO.
01346      MOVE 1 TO SUB1.
01347      PRT1-BLD-PKG.
01348      MOVE D-WEIGHT (SUB1) TO DET-WEIGHT (SUB1).
01349      MOVE D-LENGTH (SUB1) TO DET-LENGTH (SUB1).
01350      MOVE D-WIDTH (SUB1) TO DET-WIDTH (SUB1).
01351      MOVE D-FFS (SUB1) TO DET-FFS (SUB1).
01352      MOVE D-INC-4-FRM-RT (SUB1) TO DET-INC-4-FRM-RT (SUB1).
01353      IF SUB1 = 2
01354      GO TO PRT1-WRITE-LINE.
01355      ADD 1 TO SUB1.
01356      GO TO PRT1-BLD-PKG.
01357      PRT1-WRITE-LINE.
01358      COMPUTE CNT = D-LHT + D-AHT + LINE-CNT + 13.
01359      IF CNT GREATER THAN 55
01360      WRITE PRT FROM HLL-3LHM-LINE
01361      WRITE PRT FROM EC-LINE
01362      WRITE PRT FROM EC-DATE-LINE
01363      MOVE 1 TO HDR-SA LINE-CNT.
01364      WRITE PRT FROM DELETE-LINE.
01365      WRITE PRT FROM HLL-3.
01366      WRITE PRT FROM HLL-4.
01367      WRITE PRT FROM HLL-5.
01368      ADD 8 TO LINE-CNT.
01369      MOVE "0" TO DET1-CC.
01370      MOVE "2" TO DET1-CC.
01371      WRITE PRT FROM HLL-DETI.
01372      MOVE SPACES TO HLL-DETI.
01373      MOVE SPACES TO HLL-DETI-LINE.
01374      MOVE 1 TO SUB1.
01375      ADD 2 TO LINE-CNT.
01376      MOVE "0" TO DET-CC.
01377      MOVE "2" TO DET-CC.
01378      WRITE PRT FROM HLL-6.
01379      WRITE PRT FROM HLL-7.
01380      ADD 3 TO LINE-CNT.
01381      PRT1-BLD-HEL-DET.
01382      IF SUB1 GREATER THAN 16
01383      GO TO WRITE-OLD-MSTR-XIT.
01384      IF D-ALCPFRS (SUB1) = SPACES OR ZEROS
01385      NEXT SENTENCE ELSE
01386      MOVE SUB1 TO DET-HELI-NJM
01387      MOVE D-HEL-PKG-NO (SUB1) TO DET-HEL-PKG-NO
01388      MOVE D-HEL-TYPE (SUB1) TO HLD-HEL
01389      MOVE HELT-TYPE (HLD-HEL) TO DET-HEL-TYPE
01390      MOVE D-HEL-FFS (SUB1) TO DET-HEL-FFS
01391      MOVE D-HEL-CCFS (SUB1) TO DET-HEL-CCFS

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01332 013920 WRITE PRT FROM HLL-DE12 01392HLL 1393 0522 0244
01333 013940 MOVE " " TO DET-CC 01394HLL 1394 0579
01334 013940 MOVE "1" TO DET-CC 01394HLL 1395
01335 013950 ADD 1 TO SUB1 LINE-CNT 01395HLL 1396 0530 0253
01336 013960 GO TO P11-BLD-HEL-DET. 01396HLL 1397 0279
01337 013970 WRITE-OLD-45TK-XIT. 01397HLL 1398
01338 013980 EXIT. 01398HLL 1399
01339 014000 *****
01401 014010 COUNT-LINES THRU COUNT-XIT, COUNT THE LINES WHICH WILL BE
01402 014020 PRINTED FOR THIS RECORD TO INSURE THAT THE WHOLE RECORD
01403 014030 CAN BE PRINTED ON THE SAME PAGE.
01404 014040 *****
01405 014050 *****
01406 014060 COUNT-LINES.
01407 014070 IF HDR-SW = 0
01408 014080 MOVE 10 TO CNT
01409 014090 GO TO C100.
01410 014100 MOVE 3 TO CNT.
01411 014110 C100.
01412 014120 COMPUTE QH = B1-QTY-LHT + B1-QTY-AHT + LINE-CNT + 13.
01413 014130 IF QH GREATER THAN 55
01414 014140 WRITE PRT FROM HLL-BLANK-LINE
01415 014150 MOVE 1 TO HDR-SW LINE-CNT.
01416 014160 COUNT-XIT.
01417 014170 EXIT.
01418 014180 *****
01419 014190 *****
01420 014200 WRITE-PRT-REC THRU WRITE-PRT-REC-XIT BUILDS THE PRINT REC'D.
01421 014210 OF THE TRANSACTION IN-THE HOLD-AREA (BUFR).
01422 014220 *****
01423 014230 *****
01424 014240 WRITE-PRT-REC.
01425 014250 PERFORM COUNT-LINES THRU COUNT-XIT.
01426 014260 BUILD-PRT-DISK.
01427 014270 MOVE TYP-AC (B1-AC-TYPE) TO DET-AC-TYPE.
01428 014280 MOVE HELI-TYPE (B1-LHT) TO DET-LHT.
01429 014290 MOVE B1-LOAD-SEQ-NO. TO DET-LOAD-SEQ.
01430 014300 MOVE B1-QTY-LHT TO DET-QTY-LHT.
01431 014310 IF B1-AHT LESS THAN 1
01432 014320 MOVE SPACES TO DET-AHT ELSE
01433 014330 MOVE HELI-TYPE (B1-AHT) TO DET-AHT.
01434 014340 MOVE B1-QTY-AHT TO DET-QTY-AHT.
01435 014350 MOVE B1-ADD-CARGO TO DET-ADD-CARGO.
01436 014360 MOVE B1-REMARKS TO DET-REMARKS.
01437 014370 MOVE 1 TO SUB1.
01438 014380 BUILD-PKGS.
01439 014390 MOVE B1-WEIGHT (SUB1) TO DET-WEIGHT (SUB1).
01440 014400 MOVE B1-LENGTH (SUB1) TO DET-LENGTH (SUB1).
01441 014410 MOVE B1-WIDTH (SUB1) TO DET-WIDTH (SUB1).
01442 014420 MOVE B1-FFS (SUB1) TO DET-FFS (SUB1).
01443 014430 MOVE B1-INCH-FRM-RT (SUB1) TO DET-INCH-FRM-RT (SUB1).
01444 014440 IF SUB1 = 2
01445 014450 GO TO WRITE-LINE.
01446 014460 ADD 1 TO SUB1.
01447 014470 GO TO BUILD-PKGS.
01448 014480 WRITE-LINE.
01449 014490 *****
01392HLL 1393 0522 0244
01393HLL 1394 0579
01394HLL 1395
01395HLL 1396 0530 0253
01396HLL 1397 0279
01397HLL 1398
01398HLL 1399
01399HLL 1400
01400HLL 1401
01401HLL 1402
01402HLL 1403
01403HLL 1404
01404HLL 1405
01405HLL 1406
01406HLL 1407
01407HLL 1408 0278
01408HLL 1409
01409HLL 1410 0274
01410HLL 1411 0274
01411HLL 1412
01412HLL 1413 0254 0345 0347 0279
01413HLL 1414 0254
01414HLL 1415 0244
01415HLL 1416 0436 0273 0279
01416HLL 1417
01417HLL 1418
01418HLL 1419
01419HLL 1420
01420HLL 1421
01421HLL 1422
01422HLL 1423
01423HLL 1424
01424HLL 1425
01425HLL 1426
01426HLL 1427
01427HLL 1428 0432 0340 0541
01428HLL 1429 0432 0341 0543
01429HLL 1430 0342 0545
01430HLL 1431 0345 0547
01431HLL 1432 0346
01432HLL 1433 0549
01433HLL 1434 0437 0345 0549
01434HLL 1435 0347 0551
01435HLL 1436 0348 0553
01436HLL 1437 0348 0557
01437HLL 1438 0250
01438HLL 1439
01439HLL 1440 0351 0243 0557 0253
01440HLL 1441 0352 0253 0559 0253
01441HLL 1442 0353 0253 0561 0253
01442HLL 1443 0354 0253 0563 0253
01443HLL 1444 0355 0263 0565 0253
01444HLL 1445 0250
01445HLL 1446
01446HLL 1447 0250
01447HLL 1448
01448HLL 1449
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015000 BUILD-DISK-REC.  
015070 MOVE B1-LUO-ND TO D-LOAD-ND.  
015080 MOVE B1-QTY-LHT TO D-QTY-LHT.  
015090 MOVE B1-AHT TO D-AHT.  
015100 MOVE B1-QTY-AHT TO D-QTY-AHT.  
015110 MOVE B1-ADD-CARGO TO D-ADD-CARGO.  
015120 MOVE B1-PKGS TO D-PKGS.  
015130 MOVE B1-REARMS TO D-REARMS.  
015140 MOVE B2-HELICOPTERS TO D2-HELL.  
015150 MOVE B3-HELICOPTERS TO D3-HELL.  
015160 MOVE B4-HELICOPTERS TO D4-HELL.  
015170 WRITE DISK-REC.  
015180 WRITE DISK-REC INVALID KEY DISPLAY " INV-KEY-HRT 1414".  
015190\*\*\*\*\*  
015200\*\*  
015210 BUILD-DISK-REC-XIT INITIALIZES ALL WORK AREAS FOR EXITING  
015220\*\* AND UPDATING OF A NEW TRANSACTION.  
015230\*\*  
015240\*\*\*\*\*  
015250 BUILD-DISK-REC-EXIT.  
015260 MOVE SPACES TO BUF ALTERN.  
015270 MOVE 1 TO SUB.  
015280 MOVE ZEROS TO ERR-SM  
015290 B1-LHT-CNT  
015300 B1-AHT-CNT  
015310 HEL-CNT  
015320 HEL-CNT  
015330 CARD-CNT  
015340 SUB1.  
015350 MOVE SPACES TO ERROR-SM  
015360 MOVE ZERO TO ERROR-SM  
015370 E1-LINE  
015380 MOVE SPACE TO E1-LINE  
015390 E-LINES  
015400 E-LINES.  
015410 MOVE ALL "0" TO NUM-CK.  
015420 IF SWITCHER = 1  
015430 MOVE 0 TO SWITCHER  
015440 MOVE SRT-REC TO BUF1 (1) ALT1 (1)  
015450 GO TO 300-RETURN-SRT.  
015460 IF EDF = 1 AND  
015470 SWEAR = ZERO  
015480 GO TO 52-XIT.  
015490 IF EDF = 1 AND  
015500 END-SM = 2  
015510 GO TO 52-XIT.  
015520 GO TO 800-RETURN-SRT.  
015530 52-XIT.  
015540 CLOSE DISK-FILE.  
015550 52-XIT.  
015560 EXIT.  
015570 PRINT-ATM SECTION.  
015580\*\*\*\*\*  
015590\*\*  
015600 PRT-RTN THRU PRT-XIT. THIS SECTION TAKES THE EXISTING MASTER  
015610 FILE AND FORMATS IT INTO A LISTING OF THE HELICOPTER TYPE  
015620 LOAD TABLE.  
015630\*\*\*\*\*

01506HEL 1507  
01507HEL 1508  
01508HEL 1509  
01509HEL 1510  
01510HEL 1511  
01511HEL 1512  
01512HEL 1513  
01513HEL 1514  
01514HEL 1515  
01515HEL 1516  
01516HEL 1517  
01517HEL 1518  
01518HEL 1519  
01519HEL 1520  
01520HEL 1521  
01521HEL 1522  
01522HEL 1523  
01523HEL 1524  
01524HEL 1525  
01525HEL 1526  
01526HEL 1527  
01527HEL 1528  
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01553 015630**
01564 015640** PRT-RTN.
01565 015650 OPEN INPUT 3LD-MSTR.
01566 015660 ACCEPT HLD-DATE FROM DATE.
01567 015670 MOVE HLD-DATE TO SYS-UT.
01568 015680 MOVE CURRENT-DATE TO SYS-UT.
01569 015690* READ-IT.
01570 015700 READ OLD-MSTR AT END GO TO PRT-MIN-XIT.
01571 015710 IF D-AC-TYPE = HLD-AC-TYPE OR ZEROS
01572 015720 REVT SENTENCE ELSE
01573 015730 MOVE 56 TO LINE-CNT.
01574 015740 PERFORM LINE-CNTR THRU LINE-CNT-XIT.
01575 015750 MOVE TYP-AC-TO-AC-TYPE TO DET-AC-TYPE.
01576 015760 MOVE TYP-AC-TO-AC-TYPE TO DET-AC-TYPE.
01577 015770 MOVE HELI-TYPE TO DET-LHT.
01578 015780 MOVE HELI-TYPE TO DET-LHT.
01579 015790 MOVE 0-LOAD-SEQ-NO TO DET-LOAD-SEQ.
01580 015800 MOVE 0-QTY-LMT TO DET-QTY-LMT.
01581 015810 IF J-AHT LESS THAN 1
01582 015820 MOVE SPACES TO DET-AMT ELSE
01583 015830 MOVE HELI-TYPE (D-AHT) TO DET-AHT.
01584 015840 MOVE 0-QTY-AMT TO DET-QTY-AHT.
01585 015850 IF D-ADD-CARGO NOT = "A"
01586 015860 MOVE SPACES TO DET-ADD-CARGO ELSE
01587 015870 MOVE 0-ADD-CARGO TO DET-ADD-CARGO.
01588 015880 MOVE 1 TO SUB1.
01589 015890 PRT-BLD-PKG.
01590 015900 MOVE 0-WEIGHT (SUB1) TO DET-WEIGHT (SUB1).
01591 015910 MOVE 0-LENGTH (SUB1) TO DET-LENGTH (SUB1).
01592 015920 MOVE 0-WIDTH (SUB1) TO DET-WIDTH (SUB1).
01593 015930 MOVE 0-FFS (SUB1) TO DET-FFS (SUB1).
01594 015940 MOVE 0-INC-ARM-RT (SUB1) TO DET-INC-ARM-RT (SUB1).
01595 015950 IF SUB1 = 2
01596 015960 GO TO PRT-WRITE-LINE.
01597 015970 ADD 1 TO SUB1.
01598 015980 GO TO PRT-BLD-PKG.
01599 015990 PRT-WRITE-LINE.
01600 016000 MOVE "0" TO DET-CC.
01601 016010 MOVE "2" TO DET-CC.
01602 016020 WRITE PRT FROM HLL-DETL.
01603 016030 MOVE SPACES TO HLL-DETL.
01604 016040* MOVE SPACES TO HLL-DETL-LINE.
01605 016050 MOVE 1 TO SUB1.
01606 016060 ADD 2 TO LINE-CNT.
01607 016070 MOVE "0" TO DET-CC.
01608 016080* MOVE "2" TO DET-CC.
01609 016090 WRITE PRT FROM HLL-5.
01610 016100 WRITE PRT FROM HLL-7.
01611 016110 ADD 3 TO LINE-CNT.
01612 016120 PRT-BLD-MEL-DEF.
01613 016130 IF SUB1 GREATER THAN 16
01614 016140 GO TO READ-IT.
01615 016150 IF D-HLCPTRS (SUB1) = SPACES OR ZEROS NEXT SENTENCE ELSE
01616 016160 MOVE SUB1 TO DET-HELI-NJM
01617 016170 MOVE 0-HEL-PKG-NO (SUB1) TO DET-HEL-PKG-NO
01618 016180 MOVE 0-HEL-TYPE (SUB1) TO HLD-HEL
01619 016190 MOVE HELI-TYPE (HLD-HEL) TO DET-HEL-TYPE
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01677 016770 MOVE D-LOAD-SEQ-NO TO DET-LOAD-SEQ.
01678 016780 MOVE D-QTY-LHT TO DET-QTY-LHT.
01679 016790 IF D-AHT LESS THAN 1
01680 016800 MOVE SPACES TO DET-AHT ELSE
01681 016810 MOVE HELI-TYPE (D-AHT) TO DET-AHT.
01682 016820 MOVE D-QTY-AHT TO DET-QTY-AHT.
01683 016830 IF D-ADD-CARGO NOT = "A"
01684 016840 MOVE SPACES TO DET-ADD-CARGO ELSE
01685 016850 MOVE D-ADD-CARGO TO DET-ADD-CARGO.
01686 016860 MOVE 1 TO SUB1.
01687 016870 MOVE D-REMARKS TO DET-REMARKS.
01688 016880 D-BLD-PKG.
01689 016890 MOVE D-WEIGHT (SUB1) TO DET-WEIGHT (SUB1).
01690 016900 MOVE D-LENGTH (SUB1) TO DET-LENGTH (SUB1).
01691 016910 MOVE D-WIDTH (SUB1) TO DET-WIDTH (SUB1).
01692 016920 MOVE D-EFFS (SUB1) TO DET-EFFS (SUB1).
01693 016930 MOVE D-INC4-FRM-RT (SUB1) TO DET-INC4-FRM-RT (SUB1).
01694 016940 IF SUB1 = 2
01695 016950 GO TO D-PRI-WRITE-LINE.
01696 016960 ADD 1 TO SUB1.
01697 016970 GO TO D-HL3-PKG.
01698 016980 D-PRI-WRITE-LINE.
01699 016990 MOVE "0" TO DET1-CC.
01700 017000 MOVE "2" TO DET1-CC.
01701 017010 WRITE PRI FROM HLL-DET1.
01702 017020 MOVE D-LOAD-NO TO SYM-KEY.
01703 017030 WRITE NEW-STR-REC FROM 4 DISK-REC
01704 017040 INVALID KEY DISPLAY "INV-KEY RT 1613".
01705 017050 IF HLS-TYP (D-AC-TYPE, D-LHT) = ZERUS
01706 017060 MOVE D-LOAD-NO TO HLL-DET1.
01707 017070 MOVE SPACES TO HLL-DET1.
01708 017080 MOVE SPACES TO HLL-DET1-LINE.
01709 017090 MOVE 1 TO SUB1.
01710 017100 ADD 2 TO LINE-CNT.
01711 017110 MOVE "0" TO DET-CC.
01712 017120 MOVE "2" TO DET-CC.
01713 017130 WRITE PRI FROM HLL-6.
01714 017140 WRITE PRI FROM HLL-7.
01715 017150 ADD 3 TO LINE-CNT.
01716 017160 D-PRI-RL3-HEL-DET.
01717 017170 GO TO READ-DISK.
01718 017180 IF SUB1 GREATER THAN 16
01719 017190 GO TO READ-DISK.
01720 017200 IF D-HLCPTS (SUB1) = SPACES OR ZERUS NEXT SENTENCE ELSE
01721 017210 MOVE SUB1 TO DET-HELI-NJM
01722 017220 MOVE D-HEL-PKG-NO (SUB1) TO DET-HEL-PKG-NO
01723 017230 MOVE D-HEL-TYPE (SUB1) TO HLD-HEL
01724 017240 MOVE HELI-TYPE (HLD-HEL) TO DET-HEL-TYPE
01725 017250 MOVE D-HEL-EFFS (SUB1) TO DET-HEL-EFFS
01726 017260 MOVE D-HEL-CGFS (SUB1) TO DET-HEL-CGFS
01727 017270 WRITE PRI FROM HLL-DET2
01728 017280 MOVE "1" TO DET-CC
01729 017290 ADD 1 TO SUB1 LINE-CNT
01730 017300 GO TO D-PRI-RLD-HEL-DET.
01731 017310 GO TO READ-DISK.
01732 017320 D-LINE-CNT.
01733 017330 COMPUTE QH = D-QTY-LHT * D-QTY-AHT + LINE-CNT + 13.

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01677HEL1 1679 0122 0545
01678HEL1 1679 0123 0547
01679HEL1 1680 0124
01680HEL1 1681 0549
01681HEL1 1682 0417 0124 0549
01682HEL1 1683 0125 0551
01683HEL1 1684 0126
01684HEL1 1685 0553
01685HEL1 1686 0126 0553
01686HEL1 1687 0250
01687HEL1 1688 0134 0557
01688HEL1 1689
01689HEL1 1690 0129 0250 0557 0250
01690HEL1 1691 0130 0250 0559 0250
01691HEL1 1692 0131 0260 0561 0250
01692HEL1 1693 0132 0250 0563 0250
01693HEL1 1694 0133 0260 0565 0250
01694HEL1 1695 0250
01695HEL1 1696
01696HEL1 1697 0250
01697HEL1 1698
01698HEL1 1699
01699HEL1 1700 0538
01700HEL1 1701
01701HEL1 1702 0244 0535
01702HEL1 1703 0119 0535
01703HEL1 1704 0158
01704HEL1 1705 0117
01705HEL1 1706 0316 0120 0121
01706HEL1 1707 0119 0315 0120 0121
01707HEL1 1708 0536
01708HEL1 1709
01709HEL1 1710 0250
01710HEL1 1711 0279
01711HEL1 1712 0530
01712HEL1 1713
01713HEL1 1714 0244 0553
01714HEL1 1715 0244 0574
01715HEL1 1716
01716HEL1 1717
01717HEL1 1718 0250
01718HEL1 1719
01719HEL1 1720 0136 0260
01720HEL1 1721 0250
01721HEL1 1722 0534 0137 0260
01722HEL1 1723 0536 0133 0260
01723HEL1 1724 0231 0437 0281
01724HEL1 1725 0538 0139 0260
01725HEL1 1726 0530 0140 0260
01726HEL1 1727 0532 0244
01727HEL1 1728 0579
01728HEL1 1729
01729HEL1 1730 0530 0250
01730HEL1 1731 0279
01731HEL1 1732
01732HEL1 1733
01733HEL1 1734 0244 0123 0125 0279

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01734 017340 IF QH GREATER THAN 55
01735 017350 ADD 1 TO PG-CNT
01736 017360 MOVE PS-CNT TO PG-NJM2
01737 017370 WRITE PRT FROM HLL-1
01738 017380 WRITE PRT FROM HLL-2
01739 017390 MOVE 2 TO LINE-CNT
01740 017400 MOVE " " TO HLL-BLNK-LINE.
01741 017410 MOVE "3" TO HLL-BLNK-LINE.
01742 017420 WRITE PRT FROM HLL-BLNK-LINE.
01743 017430 MOVE "1" TO HLL-BLNK-LINE.
01744 017440 MOVE "0" TO HLL-BLNK-LINE.
01745 017450 WRITE PRT FROM HLL-3.
01746 017460 WRITE PRT FROM HLL-5.
01747 017470 WRITE PRT FROM HLL-5.
01748 017480 ADD 7 TO LINE-CNT.
01749 017490 D-LINE-CNT-KIT.
01750 017500 EXIT.
01751 017510 WRITE-PRT-KIT.
01752 017520 MOVE SPACES TO NEW-MSTR-REC
01753 017530 MOVE 999997 TO SYM-KEY
01754 017540 MOVE 999997 TO N-LOAD-NO
01755 017550 MOVE L3C1 TO REST
01756 017560 DISPLAY " " NEW-MSTR-REC
01757 017570 WRITE NEW-MSTR-REC
01758 017580 INVALID KEY DISPLAY = INV-KEY ART 1566-1.
01759 017590 MOVE 999993 TO SYM-KEY
01760 017600 MOVE 999998 TO N-LOAD-NO
01761 017610 MOVE L3C2 TO REST
01762 017620 DISPLAY " " NEW-MSTR-REC
01763 017630 WRITE NEW-MSTR-REC
01764 017640 INVALID KEY DISPLAY = INV-KEY ART 1566-1.
01765 017650 MOVE 999993 TO SYM-KEY
01766 017660 MOVE 999999 TO N-LOAD-NO
01767 017670 MOVE L3C3 TO REST
01768 017680 DISPLAY " " NEW-MSTR-REC
01769 017690 WRITE NEW-MSTR-REC
01770 017700 INVALID KEY DISPLAY = INV-KEY ART 1566-2.
01771 017710 CLOSE DISK-FILE NEW-MSTR-PRT-FILE.
01772 017720 WRITE-KIT.
01773 017730 EXIT.
01774 017740 END-IT SECTION.
01775 017750 END-1.
01776 017760 DISPLAY = HELI-MAINT PROGRAM COMPLETED....".
01777 017770 OPEN OUTPUT COPY-FILE.
01778 017780 HOW-MANY-COPYS.
01779 017790 ADD 1 TO M-COPY-CNT.
01780 017800 IF M-COPY-CNT GREATER THAN M-NO-COPYS
01781 017810 CLOSE COPY-FILE
01782 017820 STOP RJN.
01783 017830 OPEN INPUT PRT-FILE.
01784 017840 READ-PRT-FILE.
01785 017850 READ PRT-FILE AT END
01786 017860 CLOSE PRT-FILE
01787 017870 GO TO HOW-MANY-COPYS.
01788 017880 MOVE PRT-DATA TO COPY-LINE.
01789 017890 HOW-MANY-LINES.
01790 017900 IF PRT-CC = "0"

```

01734 HELI 1735 0256

01735 HELI 1735

01736 HELI 1737 0210 0230

01737 HELI 1737 0210 0230

01738 HELI 1739 0535 0256

01739 HELI 1739 0439 0256

01740 HELI 1741 0536 0279

01741 HELI 1741 0436

01742 HELI 1742 0256 0435

01743 HELI 1743 0436

01744 HELI 1745

01745 HELI 1745 0256 0512

01746 HELI 1747 0256 0520

01747 HELI 1749 0256 0523

01748 HELI 1749 0279

01749 HELI 1750

01750 HELI 1751

01751 HELI 1752

01752 HELI 1753

01753 HELI 1754 0158

01754 HELI 1755 0236

01755 HELI 1755 0150 0313

01756 HELI 1757 0134

01757 HELI 1757 0158

01758 HELI 1759 0158

01759 HELI 1760

01760 HELI 1761 0236

01761 HELI 1762 0150 0313

01762 HELI 1763 0134

01763 HELI 1764 0158

01764 HELI 1765 0158

01765 HELI 1766

01766 HELI 1767 0236

01767 HELI 1769 0150 0320

01768 HELI 1769 0134

01769 HELI 1770 0158

01770 HELI 1771 0158

01771 HELI 1772 0111 0152 0236

01772 HELI 1773

01773 HELI 1774

01774 HELI 1775

01775 HELI 1775

01776 HELI 1777

01777 HELI 1778

01778 HELI 1779

01779 HELI 1780

01780 HELI 1781

01781 HELI 1782

01782 HELI 1783

01783 HELI 1784

01784 HELI 1785

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01787 HELI 1789

01788 HELI 1789

01789 HELI 1790

01790 HELI 1791



MAIN

AU 0113

COBOL

V4.6 L460\* 11/21/78 14.17.30.

PAGE

33

```
01791 0179109 WRITE COPY-REC AFTER ADVANCING TOP-JF-PAGE
01792 0179209 GO TO READ-PRT-FILE.
01793 0179309 IF PRT-CC = "1"
01794 0179409 WRITE COPY-REC AFTER ADVANCING 1 LINES
01795 0179509 GO TO READ-PRT-FILE.
01796 0179609 IF PRT-CC = "2"
01797 0179709 WRITE COPY-REC AFTER ADVANCING 2 LINES
01798 0179809 GO TO READ-PRT-FILE.
01799 0179909 IF PRT-CC = "3"
01800 0180009 WRITE COPY-REC AFTER ADVANCING 3 LINES
01801 0180109 GO TO READ-PRT-FILE.
01802 0180209 WRITE COPY-REC AFTER ADVANCING 1 LINES
01803 0180309 GO TO READ-PRT-FILE.
01804 0180409
```

MAIN LENGTH IS 011747  
0617008 SCM USED

```
01791HELI 1792
01792HELI 1793
01793HELI 1794
01794HELI 1795
01795HELI 1796
01796HELI 1797
01797HELI 1798
01798HELI 1799
01799HELI 1800
01800HELI 1801
01801HELI 1802
01802HELI 1803
01803HELI 1804
```

6000 CDBUL PROCEDURE NAME CROSS REFERENCE LIST  
REFERENCES

## DEFINITION

## NAME

BUILD-DISK-REC	01506	01207	01304	01325				
BUILD-DISK-REC-XIT	01525	01166	01204	01207	01301	01304	01322	01327
BUILD-HEL-DET	01579	01659	01673	01677	01595			
BUILD-HEL-DET-XIT	01596	01669	01673	01677	01591			
BUILD-PKGS	01538	01547						
BUILD-PRI-DISK	01526	NONE						
BUILD-PRI-DISK	03223	00891						
B1-D-C-1	00930	00924						
B1-D-C-2	00944	00930						
B1-D-C-3	00955	00951						
B1-D-C-4	00961	00957						
B1-EDIT	00944	00750						
B1-NJA-CK	00954	NONE						
B1-PKG-CK	00988	00880	00914					
B1-PKG-CK-XIT	00915	00880	00890	00892	00949	00981	00986	
B1-XIT	00940	00750	00847	00923				
B2-CATA-CK	01022	01014	01034					
B2-D-C-1	01037	01014						
B2-EDIT	01002	00755	00760	00765				
B2-XIT	01039	00755	00760	00765	01005	01015		
CK-ACTION	01319	01306						
COJNT-LINES	01406	01425						
COJNT-XIT	01416	01425						
CL30	01411	01409						
D-BLD-PKG	01588	01637						
D-LINE-CNTR	01732	01673						
D-LINE-CNTR-XIT	01749	01673						
D-PRI-BLD-HEL-DET	01716	01730						
D-PRI-WRITE-LINE	01598	01695						
EDIT-PRI	01350	00807						
END-IT	01774	NONE						
END-1	01775	00611						
ES-CNT	01080	01071						
FILE-CK	01194	01136	01224	01230				
FILE-CK-ALTER	01185	00637	00706	00741	01165			
HELI-CK	00328	00817	00835					
HELI-NJA-CK	01016	01012						
LIVE-CNTR	01628	01575						
LIVE-CNTR-XIT	01545	01575						
PRINT-RTN	01557	NONE						
PRIK	01092	01073						
PRIK-ERN	01173	01163						
PRI-BLD-HEL-DET	01381	01396						
PRI-BLD-PKG	01347	01356						
PRI-WRITE-LINE	01357	01354						
PRI-BLD-HEL-DET	01512	01626						
PRI-BLD-PKG	01599	01598						
PRI-RTN	01565	00609						
PRI-RTN-XIT	01547	01541						
PRI-WRITE-LINE	01599	01596						
PRI-XIT	01549	00609						
READ-DISK	01567	01718	01731					
READ-IT	01570	01614	01627					
READ-DISK-MSTA	01272	01199	01285					
RJA-XIT	01286	01199	01277	01279	01282			

5000 CURUL PROCEDURE NAME CROSS REFERENCE LIST  
REFERENCES

NAME DEFINITION

SEJ-CK	00314	00797	00792	00797	
SEJ-XIT	00336	00787	00792	00797	00830 00834
SRT-IT	00501	NONE			
S1	00524	00607			
S1-XIT	00551	00634	00644		
S1-XITER	00553	NONE			
S2	00560	00607			
S2-XIT	01553	00726	01197	01299	01548 01551
S2-XITER	01555	00669			
UPJ-WRITE	01295	00638	01224	01230	01265 01268 01277
WRITE-LIVE	01548	01445			
WRITE-ASTR	01551	NONE			
WRITE-NEW-ASTR	01560	00610			
WRITE-OLD-ASTR-XIT	01397	01322	01323	01383	
WRITE-PRT-OLD-ASTR	01334	01321	01323		
WRITE-PRT-REC	01524	01307	01325		
WRITE-PRT-REC-XIT	01498	01307	01325	01478	
WRITE-PRT-XIT	01751	01669			
WRITE-ATF	01772	00610			
1030-SET-EDIT	00772	NONE			
1031-SET-EDIT	00782	00777	00779		
103-SRT-PAR	00602	NONE			
1150-OLD-CK	01210	01223	01229	01262	01271 01276
1230-READ	01219	01211			
1225-DISPLAY	01232	01226			
1230	01240	01235	01238	01248	
1235	01245	NONE			
1240-XIT	01249	01227	01244	01247	
1250	01258	01209	01231		
203-CARD-TRANS	00625	NONE			
303-REL-SRT	00542	00646	00650		
403-PRT-XTM-CK	00667	NONE			
403-SIAME-NU-COPYS	00547	00638			
503-OLD-ASTR	00676	00636			
603-OLD-JPEN	00584	00677			
703-DISK-OPEN	00592	00637			
803-RETURN-SRT	00704	00732	00745	01545	01552
853-RET-SRT	00723	NONE			
903-CK-IT	00739	00709	00714	00729	

6000 COBOL DATA NAME CROSS REFERENCE LIST  
REFERENCES

NAME DEFINITION

ACR-TYP	03315	NONE				
ACS	00498	NONE				
AC-INFO	00459	NONE				
AC-TAS	00478	NONE				
ALTERN	00307	01526				
AL11	00113	00731	00744	01544		
ALT	00482	00967				
BJF	00333	00276	01526			
BUFER	00368	NONE				
BUER	00369	00731	00744	01006	01544	
31	00335	00705	00708	00740	00747	00945 01053 01114
31-ACIION-CODE	00338	00750	00945	01193	01200	01300 01302 01320 01449
31-AC-TYPE	00340	00950	00967	00971	00974	00982 01337 01427
31-ADD-CARGO	00348	01435	01511			
31-AHT	00346	00871	01027	01034	01431	01509
31-AHT-CWT	00350	00804	01036	01531		
31-ALT	00308	01117				
31-CARD-SEQ	00336	00713	00855	00924		
31-EFFS	00354	00905	00982	00987	01442	
31-ENC4-FRM-RT	00355	00909	01443			
31-LENGTH	00352	00897	00970	00970	01440	
31-LHT	00341	00956	01027	01032	01428	
31-LHT-CWT	00289	00801	01032	01530		
31-LOAD	00343	00863				
31-LOAD-VO	00339	00730	01202	01264	01267	01279 01281 01507
31-LOAD-SEQ-NO	00342	01429				
31-NO-CARDS	00337	00859	00939			
31-PKS	00349	01512				
31-PKG-NO	00350	00871	00980	00985		
31-OTY-AHT	00347	00805	00875	00962	01412	01434 01510
31-WY-LHT	00345	00802	00867	00962	01412	01430 01508
31-REMARKS	00356	00746	00748	01436	01513	
31-WEIGHT	00351	00833	00966	00966	01439	
31-WIDTH	00353	00901	00974	00977	01441	
82	00358	00751	00752	00783	00784	00933 01055 01126 01466 01467
82-ALT	00309	01129				
82-HELICOPTERS	00360	01514				
83	00361	00756				
83-ALT	00310	01141	00757	00788	00789	00935 01057 01139 01470 01471
83-HELICOPTERS	00363	01515				
84	00364	00761	00762	00793	00794	00937 01059 01150 01474 01475
84-ALT	00311	01153				
84-HELICOPTERS	00366	01516				
8-AC-TYPE	00374	NONE				
3-CARD-SEQ	00371	00815	01007			
8-CHOP	00385	01017				
8-PTKS	00384	NONE				
8-HELICOPTERS	00378	NONE				
3-HEL-GFS	00383	01430				
3-HEL-EFFS	00382	01439				
3-HEL-PKS-NO	00380	01023				
3-HEL-TYPE	00381	01027	01031	01033	01035	01487
8-HELCPKTS	00379	00829				
8-LHT	00375	NONE				
3-LOAD-NO	00373	NONE				



# 6000 COBOL DATA NAME CROSS REFERENCE LIST

NAME	DEFINITION	REFERENCES
8-LOAD-SEQ	00376 NONE	
CAD-CNT	00269 00931 01534	
CAD-TRANS	00358 00631 00632	
CNT	00274 00787 00318 00932 00934 00935 00938 00940 01032 01354 01055	
	01058 01060 01062 01064 01066 01068 01072 01082 01093 01358 01359 01409	
CNT	01410	
CNTR	00272 01003 01004 01006	
CNTRL-KEY	00063 00635	
CNI-LIVE	00327 01112	
CNI-LNA	00426 NONE	
CRJ-REC	00062 00639	
DELETE-LINE	00291 01364	
DETI-CC	00538 01369	
DET-AC-TYPE	00541 01335 01427 01575 01574	
DET-ADD-CARGO	00553 01364 01435 01435 01586	
DET-AHT	00549 01340 01341 01432 01433 01587 01684 01685	
DET-CC	00580 01376 01395 01461 01494 01607 01625 01711 01729	
DET-FFS	00563 01351 01442 01593 01592	
DET-HEL1-NUM	00584 01387 01486 01617 01721	
DET-HEL-CGFS	00592 01392 01491 01622 01726	
DET-HEL-FFS	00590 01391 01490 01621 01725	
DET-HEL-PKG-NJ	00586 01388 01487 01619 01722	
DET-HEL-TYPE	00588 01390 01489 01620 01724	
DET-INC-H-FAM-RT	00565 01352 01443 01594 01593	
DET-LENGTH	00559 01349 01440 01591 01690	
DET-LHT	00543 01336 01428 01578 01676	
DET-LOAD-SEQ	00545 01337 01429 01579 01577	
DET-PKS	00555 NONE	
DET-PKG-NJ	00556 NONE	
DET-QTY-AHT	00551 01342 01434 01584 01682	
DET-QTY-LHT	00547 01338 01430 01580 01678	
DET-REMARKS	00567 01436 01687	
DET-HEIGHT	00557 01348 01439 01590 01689	
DET-44314	00561 01350 01441 01592 01691	
DISK-FILE	00111 00693 01554 01662 01668 01771	
DISK-REC	00117 01260 01269 01283 01517 01704	
D2-HEL1	00142 01514	
D2-HEL2	00143 01515	
D2-HEL3	00144 01516	
D-AC-TYPE	00120 01670 01674 01675 01705 01706	
D-ADD-CARGO	00126 01511 01683 01685	
D-AHT	00124 01509 01679 01681	
D-FFS	00132 01692	
D-HEL1-CHPTERS	00135 NONE	
D-HEL-CGFS	00140 01725	
D-HEL-FFS	00139 01724	
D-HEL-PKS-NJ	00137 01721	
D-HEL-TYPE	00138 01722	
D-HELCPIRS	00136 01719	
D-INC-H-FAM-RT	00133 01693	
D-LENGTH	00130 01690	
D-LHT	00121 01676 01705 01706	
D-LOAD-NJ	00119 01507 01702 01706	
D-LOAD-SEQ-NJ	00122 01677	
D-PKS	00127 01512	



AD-A066 988

ARMY LOGISTICS CENTER FORT LEE VA  
AIR MOVEMENT PLANNING SYSTEM (AMPS). VOLUME III. SYSTEM/PROGRAM--ETC(U)  
NOV 78 J E FREEMAN, V G LANKFORD, R E SPAIN

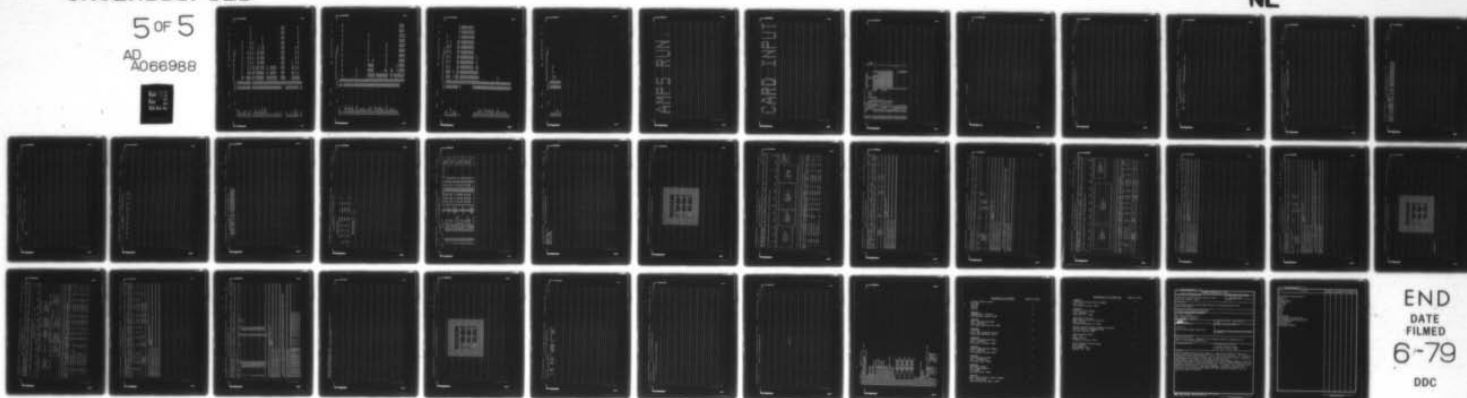
F/G 15/5

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5 OF 5

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END  
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FILMED  
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6000 COROL DATA NAME CROSS REFERENCE LIST  
REFERENCES

NAME	DEFINITION	REFERENCES
E-HEL-PKG-ND	00516 01026	
E-HEL-TYPE	00517 01029	
E-HELCPINS	00515 01019	
E-LMT	00511 NONE	
E-LINE	01065 01067 01132 01135 01144 01147 01156 01159	
E-LINES	00506 01063 01065 01067 01132 01135 01144 01147 01156 01159	
E-LUAD-NJ	00505 01540	
E-LUAD-SEQ	00509 NONE	
FFS	00512 NONE	
HD-54	00581 00982 00987	
HELI-CVT	00278 01051 01100 01101 01103 01363 01407 01415	
HELI-TYPE	00273 00739 00831 01532	
	00587 01336 01341 01389 01428 01433 01488 01579 01583 01617 01676 01681 01723	
HELY	00268 00754 00759 00764 00786 00791 00796 03016 01012 01014	
HEL-CVT	00270 01324 01485 01485 01533	
HEL-TRACES	00582 NONE	
HL-D-AC-TYPE	00277 01572 01577 01670 01675	
HL-D-DATE	00282 00694 01096 01106 01567 01568 01664 01665	
HL-D-HEL	00281 01389 01389 01488 01488 01619 01619 01723 01723	
HL-D-REMARKS	00288 00746 00748 00749	
HL-D-23A	00370 00785 00790 00795	
HL-BLANK-LINE	00496 01095 01105 01361 01415 01636 01639 01639 01740 01742 01743	
HL-DET1	00536 01371 01372 01456 01457 01602 01603 01701 01707	
HL-DET1-CARR	00537 NONE	
HL-DET1-LINE	00540 NONE	
HL-DET2	00579 01393 01492 01623 01727	
HL-1	00598 01634 01738	
HL-2	00606 01635 01739	
HL-3	00512 01365 01451 01641 01745	
HL-4	00520 01366 01452 01642 01746	
HL-5	00528 01367 01453 01643 01747	
HL-6	00568 01378 01463 01609 01713	
HL-7	00574 01379 01464 01610 01714	
HL-5-TYP	00316 01705 01706	
H-TV	00586 NONE	
LAST-BUF	00357 00778	
LGTH	00579 00971	
LIVE-CVT	00279 01072 01100 01104 01113 01119 01125 01131 01137 01143 01149 01155 01161	
	01177 01358 01363 01368 01375 01380 01396 01412 01415 01415 01459 01455 01495	
	01574 01606 01611 01626 01629 01635 01644 01672 01710 01715 01730 01733	
	01739 01748	
LOC-INS	00317 NONE	
LOC-1	00318 01755	
LOC-2	00319 01761	
LOC-3	00320 01767	
LOC-CODE	00314 01661	
MAX	00267 01235 01238 01239 01241 01243	
MAXIM	00275 00966 00967 00970 00971	
ML-1-451A	00152 01663 01771	
ML-4-MSTR-REC	01158 01703 01753 01757 01758 01763 01764 01769 01770	
ND-COUPYS	00068 00648 00649	
NU4-CK	00493 00056 00060 00064 00068 00072 00076 00094 00096 00902 00906 00910 01003	
	01018 01541	
NI-REL	00182 NONE	
N-AC-TYPE	00161 NONE	





AD 0113

MAINT

4000 C080L DATA NAME CROSS REFERENCE LIST  
REFERENCES

## DEFINITION

## NAME

TIME3	00227	NONE	
TIME4	00228	NONE	
TP-AC	00492	01335	01427 01576 01674
TP-AC	00491	NONE	
413	00480	00974	00377
4-DUPY-CVT	00258	NONE	
4-ND-L3PYS	00257	00659	
ZCRD	00265	NONE	
LSI-BUF	00334	NONE	



AAA	MM	MM	PPPPPPPP	SSSSSSSS	RRRRRR	UU	NN	NN
AAA	MM	MM	PPPPPPPP	SSSSSSSS	RRRRRR	UU	NN	NN
AA	MM	MM	PP	SS	RR	UU	NN	NN
AA	MM	MM	PP	SS	RR	UU	NN	NN
AA	MM	MM	PPPPPPPP	SSSSSSSS	RRRRRR	UU	NN	NN
AA	MM	MM	PPPPPPPP	SSSSSSSS	RRRRRR	UU	NN	NN
AAAAAAA	MM	MM	PP	SS	RR	UU	NN	NN
AAAAAAA	MM	MM	PP	SS	RR	UU	NN	NN
AA	MM	MM	PP	SS	RR	UU	NN	NN
AA	MM	MM	PP	SS	RR	UU	NN	NN
AA	MM	MM	PP	SSSSSSSS	RR	UUUUUU	NN	NN
AA	MM	MM	PP	SSSSSSSS	RR	UUUUUU	NN	NN

CCCCCCCC	AAAA	RRRRRRRR	DDDDDDDD	IIIIIIII	NN	PPPPPPPP	UU	UU	TTTTTTT
CCCCCCCC	AAAA	RRRRRRRR	DDDDDDDD	IIIIIIII	NN	PPPPPPPP	UU	UU	TTTTTTT
CC	AA	RR	DD	II	NN	PP	UU	UU	TT
CC	AA	RR	DD	II	NN	PP	UU	UU	TT
CC	AA	RRRRRRRR	DD	II	NN	PPPPPPPP	UU	UU	TT
CC	AA	RRRRRRRR	DD	II	NN	PPPPPPPP	UU	UU	TT
CC	AAAAA	RR	DD	II	NN	PP	UU	UU	TT
CC	AAAAA	RR	DD	II	NN	PP	UU	UU	TT
CC	AA	RR	DD	II	NN	PP	UU	UU	TT
CC	AA	RR	DD	II	NN	PP	UU	UU	TT
CCCCCCCC	AA	RR	DDDDDDDD	IIIIIIII	NN	PP	UU	UU	TT
CCCCCCCC	AA	RR	DDDDDDDD	IIIIIIII	NN	PP	UU	UU	TT

SAMPLE NJN FOR SYSTEMS/PROGRAMMERS GUIDE				1	2
CAT65	GENERAL CARGO		9017610906306796008001	26	26
CAT66	GENERAL CARGO		9017610906306796008001	26	26
C-1-1	IKPDBGRKCAT65	BLK SHEEP 1	6	MAC	50001
C-1-2	IKPDBGRKCAT65	BLK SHEEP 2	18	MAC	50001
C-1-3	IKPDBGRKCAT66	WHT SHEEP 1		MAC	50004
C-1-4	IKPDBGRKCAT66	WHT SHEEP 2		MAC	50005
CAT65	TRK CM EQUIP JEEP TUM		010J131065066002330050	PR1	6
CAT66	TRK CM EQUIP JEEP TUM		010J131065066002330050	PR1	6
CAT65	TRK CM EQUIP JEEP TUM		010J131065066002330050	PRX	6
CAT66	TRK CM EQUIP JEEP TUM		010J131065066002330050	PRX	6
CAT65	M35A2 2 1/2 T TRK		PM265096089018600124001PR2		6
CAT66	M35A2 2 1/2 T TRK		PM265096089018600124001PR2		6
CAT65	M35A2 2 1/2 T TRK		PM265096089018600124001PRY		6
CAT66	M35A2 2 1/2 T TRK		PM265096089018600124001PRY		6
CAT65	TKL PU406 GEN SET		020TK170093086006560095001PR2		6
CAT66	TKL PU406 GEN SET		020TK170093086006560095001PR2		6
CAT65	TKL PU406 GEN SET		020TK170093086006560095001PRY		6
CAT66	TKL PU406 GEN SET		020TK170093086006560095001PRY		6
CAT65	M884 1 1/4 T TRK		HT210085104008500110001PR3		6
CAT66	M884 1 1/4 T TRK		HT210085104008500110001PR3		6
CAT65	M884 1 1/4 T TRK		HT210085104008500110001PRZ		6
CAT66	M884 1 1/4 T TRK		HT210085104008500110001PRZ		6
CAT65	M884 1 1/4 T TRK		HT210085104008500110001PRM		6
CAT66	M884 1 1/4 T TRK		HT210085104008500110001PRM		6
CAT65	PASSENGER		PX	PRY	6
CAT66	PASSENGER		PX	PRY	6
CAT65	PASSENGER		PX	PRY	6
CAT66	PASSENGER		PX	PRY	6
CAT65	TKR DRIVEN		PX	PR2	6
CAT66	TKR DRIVEN		PX	PR2	6
CAT65	TKR DRIVEN		PX	PR2	6
CAT66	TKR DRIVEN		PX	PR2	6
CAT65	TKR DRIVEN		PX	PRY	6
CAT66	TKR DRIVEN		PX	PRY	6
CAT65	TKR DRIVEN		PX	PRY	6
CAT66	TKR DRIVEN		PX	PRY	6

PRE DIAGNOSTICS

.....

.....

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AIR MOVEMENT PLANNING SYSTEM U.S. ARMY LOGISTICS CENTER, FORT LEE, VIRGINIA DATE 12/08/78 TIME 12:18:30 1

\*\*\*\*\*

SAMPLE RUN FOR SYSTEMS/PROGRAMMERS GJIDF

\*\*\*\*\*

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11  
12

12:18:30 1146 12/08/78

U.S. ARMY LOGISTICS CENTER, FORT LEE, VIRGINIA

\*\*\*\*\*  
SAMPLE RUN FOR SYSTEMS/PROGRAMMERS GUIDE  
DIAGNOSTICS OF INPUT

CAT6S .....  
CAT6S .....  
GENERAL CARGO .....  
00080176108083007980080001 .....  
00016

21  
11  
01  
0  
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7  
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3  
2  
1

AIR MOVEMENT PLANNING SYSTEM U.S. ARMY LOGISTICS CENTER, FORT LEE, VIRGINIA DATE 12/08/78 TIME 12:18:30 3

# SAMPLE RUN FIR SYSTEMS/PROGRAMMERS GUIDE

(AIG6	.....	000BU1761C8U83007980088001	000A6
CAT6B	.....	CFNERAL CARCU	

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AIR MOVEMENT PLANNING SYSTEM U.S. ARMY LOGISTICS CENTER, FORT LEE, VIRGINIA DATE 12/08/76 TIME 12:18:36 5

\*\*\*\*\* SAMPLE RUN FOR SYSTEMS/PROGRAMMER'S GUIDE \*\*\*\*\*

PRIORITY DATA

U I D	OUTSIDE CARGO WEIGHT	PRIORITY	COMBINED UID
CATG5		1	
CATG6		2	

21  
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1

AIR MOVEMENT PLANNING SYSTEM U.S. ARMY LOGISTICS CENTER, FORT LEE, VIRGINIA DATE 12/08/78 TIME 12:10:36

\*\*\*\*\* SAMPLE RUN FOR SYSTEMS/PROGRAMMERS GUIDE \*\*\*\*\*

OPTIONS IN EFFECT

NO	CARD	NO	NO	NO	NO	UNIT	GENE	NO-	LINE
LIST	DECK	DIAG	MATE	SCOPE	PRIO	INTEG	RATE	CNP	CONJT
						X		1	55

21  
11  
01  
01  
6  
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2  
5  
5  
1  
1



ATK MOVEMENT PLANNING SYSTEM U.S. ARMY LOGISTICS CENTER, FORT LEE, VIRGINIA DATE 12/08/78 TIME 12:18:36 8

\*\*\*\*\* SAMPLE RUN FOR SYSTEMS/PROGRAMMERS GUIDE \*\*\*\*\*  
PARAMETERS IN EFFECT

SINGLE ITEM LIMITS

	LTH	WT	HTH	WEIGHT	ACL	PCG	MIX
25	999	225	156	200000	110000	1275	
2141	800	122	108	50000	50000	900	
2130	500	122	108	30000	30000	530	
FILL	200	115	80	7500	800000	8000	0000

DEFAULT PASSENGER WEIGHT = 240  
SCHEMATIC PRINT WIDTH = 18

21  
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1  
1



\*\*\*\*\* SAMPLE RUN FOR SYSTEMS/PROGRAMMERS GUIDE \*\*\*\*\*

CARGO DATA

SLD-NU	UID	RAVN	NOMENCLATURE	SSN / T OVERLAP	CGN	LTN	MTN	HTN	WEIGHT	*** CG	ITFA	EUP - LINK	DOT SIZ	SP 34	PLANE	PAX
1	CAT65		GENERAL CARGO	000	BU	176	103	083	007980	088	001	PR2	Y		C-130	1
2	CAT65		M35A2 2 1/2 T TRK	000	PM	265	096	089	018600	124	001	PR2			C-130	1
3	CAT65		TRK PU406 GEN SET	020	TR	170	093	086	006560	095	002	PR2			C-130	1
4	CAT65		TRK DRIVER	0000000000	PA				000240		003	PR2				1
5	CAT65		M884 1 1/4 T TRK	000	MT	210	085	104	008500	110	001	PR3			C-130	1
6	CAT65		M35A2 2 1/2 T TRK	000	PM	265	096	089	018600	124	001	PRV			C-130	1
7	CAT65		TRK PU406 GEN SET	020	TR	170	093	086	006560	095	002	PRV			C-130	1
8	CAT65		TRK DRIVER	0000000000	PA				000240		003	PRV				1
9	CAT65		M884 1 1/4 T TRK	000	MT	210	085	104	008500	110	001	PR2			C-130	1
10	CAT65		PASSENGER	0000000000	PA				000240		001					1
11	CAT65		TRK CM EQUIP JEEP FOM	000	JP	131	084	066	002330	050	001	PR1			FILL	1
12	CAT65		TRK CM EQUIP JEEP FOM	000	JP	131	084	066	002330	050	001	PR1			FILL	1
13	CAT65		GENERAL CARGO	000	BU	176	103	083	007980	088	001	PR1			C-130	1
14	CAT65		M35A2 2 1/2 T TRK	000	PM	265	096	089	018600	124	001	PR2			C-130	1
15	CAT65		TRK PU406 GEN SET	020	TR	170	093	086	006560	095	002	PR2			C-130	1
16	CAT65		TRK DRIVER	0000000000	PA				000240		003	PR2				1
17	CAT65		M884 1 1/4 T TRK	000	MT	210	085	104	008500	110	001	PR3			C-130	1
18	CAT65		M35A2 2 1/2 T TRK	000	PM	265	096	089	018600	124	001	PRV			C-130	1
19	CAT65		TRK PU406 GEN SET	020	TR	170	093	086	006560	095	002	PRV			C-130	1
20	CAT65		TRK DRIVER	0000000000	PA				000240		003	PRV				1
21	CAT65		PASSENGER	0000000000	PA				000240		001				FILL	1
22	CAT65		TRK CM EQUIP JEEP FOM	000	JP	131	084	066	002330	050	001	PR1				1
23	CAT65		TRK CM EQUIP JEEP FOM	000	JP	131	084	066	002330	050	001	PR1				1
24	CAT65		GENERAL CARGO	000	BU	176	103	083	007980	088	001	PR1			C-130	1
25	CAT65		M35A2 2 1/2 T TRK	000	PM	265	096	089	018600	124	001	PR2			C-130	1
26	CAT65		TRK PU406 GEN SET	020	TR	170	093	086	006560	095	002	PR2			C-130	1
27	CAT65		TRK DRIVER	0000000000	PA				000240		003	PR2				1
28	CAT65		M884 1 1/4 T TRK	000	MT	210	085	104	008500	110	001	PR3			C-130	1
29	CAT65		M35A2 2 1/2 T TRK	000	PM	265	096	089	018600	124	001	PRV			C-130	1
30	CAT65		TRK PU406 GEN SET	020	TR	170	093	086	006560	095	002	PRV			C-130	1
31	CAT65		TRK DRIVER	0000000000	PA				000240		003	PRV				1
32	CAT65		M884 1 1/4 T TRK	000	MT	210	085	104	008500	110	001	PR3			C-130	1
33	CAT65		M35A2 2 1/2 T TRK	000	PM	265	096	089	018600	124	001	PRV			C-130	1
34	CAT65		TRK PU406 GEN SET	020	TR	170	093	086	006560	095	002	PRV			C-130	1
35	CAT65		TRK DRIVER	0000000000	PA				000240		003	PRV				1
36	CAT65		PASSENGER	0000000000	PA				000240		001				FILL	1
37	CAT65		TRK CM EQUIP JEEP FOM	000	JP	131	084	066	002330	050	001	PR1				1
38	CAT65		TRK CM EQUIP JEEP FOM	000	JP	131	084	066	002330	050	001	PR1				1

SAMPLE RUN FOR SYSTEMS/PROGRAMMERS CJ10F

MASTER-RECORDS = 00027  
AIRCRAFT = 00006  
ADAIL PASS = 00023  
REJECTS = 00000  
PRE REJECTS = 00000

SAMPLE RUN FOR SYSTEMS/PROGRAMMERS GUIDE

## STATISTICS

\*\*\*\*\*TYPE A/C---NOT LOADED---LOADED

0 1 0

.....-130--  
.....-131--

.....

[illegible][illegible]

-----130--0

\*\*\*\*\*CARGO---NUT LOADED---LOADED

STANDARD	19	0
STANDARD	19	0
STANDARD	19	0

NAME	AGE	SEX	STATUS	SEAT	FARE	TAXES	TOTAL
.....PASSENGERS	20						

.....

.....

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----







SAMPLE RUN FOR SYSTEMS/PROGRAMMED GUIDE

\*\*\*\*\*AIRCRAFT DATA\*\*\*\*\*  
\*\*\*\*\*CARRIER: J2-017C HMD \*\*\*\*\*  
\*\*\*\*\*MAC: CATGS \*\*\*\*\*  
\*\*\*\*\*DESTINATION: MISSION NUMBER \*\*\*\*\*  
\*\*\*\*\*AREA: DEPART IFLU \*\*\*\*\*  
\*\*\*\*\*CHALK: N7 \*\*\*\*\*  
\*\*\*\*\*KCN \*\*\*\*\*  
\*\*\*\*\*B12 \*\*\*\*\*  
\*\*\*\*\*K20B \*\*\*\*\*  
\*\*\*\*\*J \*\*\*\*\*  
\*\*\*\*\*3 \*\*\*\*\*

PASSENGER MANIFEST

LINE#	RANK	NAME	SSAN	WEIGHT	UNIT	PUMPH
1	TRK DRIVER			240	CATGS	PRV
2	TRK DRIVER			240	CATGS	PRV
3	PASSENGER			240	CATGS	
4	PASSENGER			240	CATGS	
TOTALS				960		

\*\*\*\*\*  
\*\*\*\*\*LOAD PLANNED BY \*\*\*\*\*  
\*\*\*\*\*DATE \*\*\*\*\*  
\*\*\*\*\*AIR MOVEMENT PLANNING SYSTEM \*\*\*\*\*  
\*\*\*\*\*12/08/78 \*\*\*\*\*  
\*\*\*\*\*SIGNATURE OF LOADING AGENT \*\*\*\*\*  
\*\*\*\*\*DATE \*\*\*\*\*  
\*\*\*\*\*SIGNATURE OF UNLOADING AGENT \*\*\*\*\*  
\*\*\*\*\*DATE \*\*\*\*\*

I CERTIFY THAT A CHECK OF ALL PASSENGERS ON THIS FLIGHT AND A PHYSICAL SEARCH OF HAND CARRIED ITEMS WAS CONDUCTED IMMEDIATELY PRIOR TO DEPARTURE FROM THE TERMINAL FACILITY AND THAT NO UNAUTHORIZED EXPLOSIVES OR WEAPONS WERE FOUND AND ALL AUTHORIZED WEAPONS WERE CLEARED.

\*\*\*\*\*  
\*\*\*\*\*SIGNATURE OF AIRCRAFT WING COMMANDER \*\*\*\*\*  
\*\*\*\*\*DATE \*\*\*\*\*









SAMPLE RUN FOR SYSTEMS/PROGRAMMERS GUIDE

[illegible]

# PASSENGER MANIFEST

LINE#	RANK	NAME	SSAN	WEIGHT	UNIT	RUMPH
1		TRK DRIVER		240	CAT55	PK2
2		TRK DRIVER		240	CAT55	PK2

Category	Count
TOTALS	460

LOAD PLANNED BY----- AIR MOVEMENT PLANNING SYSTEM

86/90/21 4-----3160

SIGNATURE OF LOADING AGENT-----0

DATE-----

SIGNATURE OF UNLOADING AGENT-----0

DATE-----310

I CERTIFY THAT A CHECK OF ALL PASSENGERS ON THIS FLIGHT AND A PHYSICAL SEARCH OF HAND CARRIED ITEMS WAS CONDUCTED IMMEDIATELY PRIOR TO DEPARTURE FROM THE TERMINAL FACILITY AND THAT NO UNAUTHORIZED EXPLOSIVES OR WEAPONS WERE FOUND AND ALL AUTHORIZED WEAPONS WERE CLEARED.

SIGNATURE OF AIRCRAFT TRUUP COMMANDER--0

DATE-----3170

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SAMPLE RUN FOR SYSTEMS/PROGRAMMERS GUIDE

## STATISTICS

TYPE A/C---NUT LOADED---LOADED

0 1 0

---(-14)---  
---(-130)---

[illegible]

of ILIZATION---WEIGHT-----AREA

0 0 0

72	89	--(-141--)
77	93	--(-130--)

00000000000000000000000000000000

--CARGO-----NOT LOADED--LOADEN

STANDARD-	11	8
11	11	8

Passengers	0	6
0	0	0
22	22	22

.....

NEXT UNIT CALLED 02  
 PASS-ERROR 020





SAMPLE RUN FOR SYSTEMS/PROGRAMMERS GUIDE

[illegible]

ITEM-NO	UID	*** NUMENCLATURE ***	JEFF TON	PRX	LENGTH	WIDTH	HEIGHT	WEIGHT	CG-STA	MOMENT	FWD-STA	AREA	COMMENTS
8	CAT66	TRK LM EQUIP	200	PRX	131	64	66	2,330	1,563	3,661,790	1,513	58	-
9	CAT66	M984 T 1/4 T TRK	210	PR3	210	85	104	8,500	1,687	14,339,500	1,527	123	-
10	CAT66	M984 T 1/4 T TRK	210	PRW	210	85	104	8,500	1,832	15,572,000	1,722	123	-

	CARGO	10	1,238	109,554.800	1,161
SUBTOTALS					
SUBTOTALS	PLAY	20	4,800	8,356.800	
TOTALS			93,260	117,911.600	

LIND PLANNED BY----- AIR MOVEMENT PLANNING SYSTEM  
 DATE----- 12/08/76

SIGNATURE OF LOADING AGENT-----  
DATE-----

SIGNATURE OF UNLOADING AGENT-----0

.....







SAMPLE QJN FJR SYSTEMS/PROGRAMMERS GJTD

## STATISTICS

\*\*\*\*\*

```

***** TYPE A/C *****
***** NOT LOADED *****
***** 0 *****
***** -5- *****
***** 1 *****

```

[illegible]

-----C-130--

\*\*\*\*\*FIGHT\*\*\*\*\*

43	---	5	---
44	---	5	---

00000000000000000000000000000000	-141--	89	72
00000000000000000000000000000000	-130--	93	66

.....

\*\*\*\*\*CARGO---NOT LOADED---LOADED

[illegible]

*****PASSENGERS	2	26
-----------------	---	----

.....

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\*\*\*\*\* SAMPLE RUN FOR SYSTEMS/PROGRAMMERS GUIDE \*\*\*\*\*

\*\*\* CARGO-PASSENGERS NOT LOADED \*\*\*

11	CATG5	4864	1	1/4	T	TRK	000000000PRZ	06210085104008500110
35	CATG6	TRK DRIVER					000000000PRY	02 000240
36	CATG6	TRK DRIVER					000000000PRY	02 000240

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\*\*\*\*\*

SAMPLE RUN FOR SYSTEMS/PROGRAMMERS CJUE

\*\*\* AIRCRAFT NOT USED \*\*\*

MACC-130CATG6 WHY SHEEP 1 KPTKNGK030000000

21  
11  
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8  
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4  
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2  
1

\*\*\*\*\*  
SAMPLE RUN FOR SYSTEMS/PROGRAMMERS GUIDE  
\*\*\*\*\*

END OF JOB

21  
11  
01  
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4  
5  
3  
1  
1

```

4FB VJS/BE 1.2 DPFD-461 R.C 02.12
38-26-02-ATTALJ FR34 /AO
38-26-02-1P 0000540 JORDS - FILE INPUT • DC 04 • ID-A0
38-26-02-4TTTCT1777-CH177000,SPUU,DEF001
38-26-04-TNS4,IN=4APS,IN=21740,OS=ATCLO,IN=15,PI=
38-26-04-JEF.
38-26-07-REDUCE.
38-26-08-HEADING,4APS RUN.
38-26-08-CALLIALC3,15-AMPS)
38-26-09-REDUCE.
38-26-10-HEADING,4APS STUFF.
38-26-10-AJDI1,15-AMPS,AC=JAYSFILE.
38-26-17. EXIT
38-26-18-ATTACH,P51,VJVALC8J,1D=4APS.
38-26-18-PF CYCLE WD. = 001
38-26-18-ATTACH,P52,VJL0D8J,1D=4APS.
38-26-19-PF CYCLE WD. = 001
38-26-19-ATTACH,P4,MST0BJ,1D=4APS.
38-26-19-PF CYCLE WD. = 002
38-26-20-ATTACH,PE,PRINT0BJ,1D=4APS.
38-26-20-PF CYCLE WD. = 002
38-26-20-REQUEST,COIN,OPF.
38-26-21-CDPYCR,INPU,COIN,1.
38-26-21-REMIWD,COIN.
38-26-21-ATTACH,HELLI,AMPHELMR=2,1D=4APS.
38-26-22-PF CYCLE WD. = 004
38-26-22-FILE,COIN,RT=2.
38-26-23-LOSER,FILES,COIN.
38-26-24-P51.
38-26-24-5 T A R T C O B O L S O R T
53 RECORDS RELEASED
38-26-52. 53 RECORDS RETURNED
38-26-53. E N D C O B O L S O R T
38-26-53-5 T A R T C O B O L S O R T
38-26-56. 67 RECORDS RELEASED
38-26-56. 67 RECORDS RETURNED
38-26-56. E N D C O B O L S O R T
38-26-57-5 T A R T C O B O L S O R T
38-26-59. 6 RECORDS RELEASED
38-26-59. 6 RECORDS RETURNED
38-26-59. E N D C O B O L S O R T
38-27-00-5 T A R T C O B O L S O R T
38-27-05. 67 RECORDS RELEASED
38-27-05. 67 RECORDS RETURNED
38-27-05. E N D C O B O L S O R T
38-27-07-P4.
38-27-28-PE.
38-27-52-PG2.
38-34-27-P4.
38-36-56-PE.
38-36-57-RETURN,P51,P52,P4,PE,HELL.
38-36-58-RETURN,COIN.
38-36-59-AJDI1,15-AMPS.
38-35-34. EXIT
38-35-05-E411.
38-35-05-OP 00003723 WORDS - FILE OUTPUT • DC 40 • ID-A0
38-35-05. MRRAL TERNATION
38-35-05-4S 10752 JORDS ( 78048 MAX USED)
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13. ABSTRACT The Air Movement Planning System (AMPS) is a computerized method for quickly and effectively planning cargo loads for C-130, C-141, and C-5 aircraft. It is primarily intended for use in Army unit moves, but its inherent flexibility makes it adaptable for movement of most types of cargo under various conditions. AMPS provides the user with an air movement mission and automated method of preparing effective load plans for USAF aircraft that will provide a timely response within the dynamic environment of joint airlift operations. The system is fast, accurate, makes efficient use of aircraft, incorporates commander's priorities, maintains unit integrity, links trailers and/or crews with their respective vehicles, and links units with specific aircraft.			

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Security Classification

14. KEY WORDS	LINK A		LINK B		LINK C	
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Model						
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AMPS						
C-130						
C-141						
C-5						
C-5a						
Cargo Loads						
Air Movement of Helicopters						
Air Movement Planning, Automated						
Planning System						
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